

UNIVERSITY OF ALBERTA LIBRARY



0 0003 5239 441

MM

A56

13th

1962

LAW

UNIVERSITY OF ALBERTA  
LAW LIBRARY  
GOVT. DOC.



DEPARTMENT  
OF  
POLITICAL ECONOMY

# THIRTEENTH ANNUAL REPORT

OF THE

## Department of Mines and Minerals

OF THE

PROVINCE OF ALBERTA

FOR THE

Fiscal Year Ended March 31st

1962

EDMONTON:  
PRINTED BY L. S. WALL, Queen's Printer  
1962

Ex LIBRIS  
UNIVERSITATIS  
ALBERTAE NSIS





THIRTEENTH ANNUAL REPORT

OF THE

Department of  
Mines and Minerals

OF THE

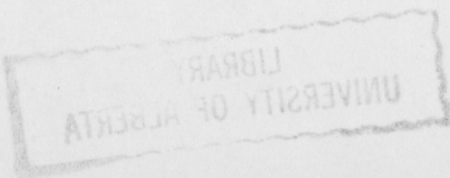
PROVINCE OF ALBERTA

FOR THE

Fiscal Year Ended March 31st

1962

EDMONTON:  
PRINTED BY L. S. WALL, Queen's Printer  
1962





THIRTEENTH ANNUAL REPORT

OF THE

Department of

Mines and Minerals

OF THE

PROVINCE OF ALBERTA

FOR THE

Fiscal Year ended March 31st

1962

EDMONTON

PRINTED BY THE ALBERTA GOVERNMENT

1962

LIBRARY  
UNIVERSITY OF ALBERTA



## Table of Contents

To the Honourable J. Percy Page,

*Lieutenant Governor of the Province of Alberta.*

Sir:

I have the honour to submit the Report of the Department of Mines and Minerals for the fiscal year ended March 31st, 1962.

I have the honour to be, Sir,

Your obedient servant,

A. R. PATRICK,

*Minister of Mines and Minerals.*

Edmonton, November 5, 1962.



## Table of Contents

	Page
REPORT OF THE DEPUTY MINISTER .....	9
MINERAL RIGHTS DIVISION	
Report of the Director .....	11
MINERAL TAX DIVISION	
Report of the Superintendent .....	41
PIPE LINE DIVISION	
Report of the Acting Superintendent .....	44
TECHNICAL DIVISION	
Report of the Superintendent .....	45
ACCOUNTS DIVISION	
Report of the Administrative Accountant .....	48



**CHIEF OFFICERS**  
**DEPARTMENT OF MINES AND MINERALS**  
**MARCH 31st, 1962**

Hon. Ernest C. Manning.....*Minister*  
H. H. Somerville.....*Deputy Minister*  
G. W. Acorn.....*Solicitor*  
C. W. Jackman.....*Economist*  
W. E. Shillabeer.....*Administrative Accountant and  
Personnel Officer*

**MINERAL RIGHTS DIVISION**

J. W. Patrick.....*Director*  
R. A. Seaton.....*Assistant Director*  
D. R. Jordan.....*Supervisor of Revenue*  
W. H. Roy.....*Supervisor of Reservations, Permits  
and Licences*  
D. F. Morrison.....*Supervisor of Leases and Mining  
Recorder, Edmonton District*  
D. C. MacMillan.....*Mining Recorder, Calgary District*

**MINERAL TAX DIVISION**

J. A. Savage.....*Superintendent*  
I. M. Harrington.....*Assistant Superintendent*  
W. McGeachie.....*Chief Assessor*

**MINES DIVISION**

J. A. Dutton.....*Director*  
J. D. B. Brown.....*Assistant Director*

**PIPE LINE DIVISION**

G. W. B. Bullymore.....*Acting Superintendent*

**TECHNICAL DIVISION**

J. M. Novak.....*Superintendent*  
E. G. Staniforth.....*Assistant Superintendent*  
E. D. Barnard.....*Supervisor of Records*





# THIRTEENTH ANNUAL REPORT

of the

## Department of Mines and Minerals

HONOURABLE A. R. PATRICK,

Minister of Mines and Minerals,  
Edmonton, Alberta.

SIR:

I have the honour to present the Annual Report of the Department of Mines and Minerals for the fiscal year ending March 31, 1962.

The voluntary efforts of the Canadian oil industry to meet the market requirements of Canadian crude oil resulted in a substantial increase in oil production in 1961. The gas line connection between markets in the Pacific Northwest and California and surplus gas reserves in Alberta was made too late in the year to have much effect on gas sales, but other gas exports were up considerably.

At the end of 1961 there were fifty-five gas processing plants in operation in the Province. Most of the construction on the Alberta Gas Trunk Line foothills gathering system consisting of 350 miles of main line and 220 miles of laterals was completed in the year.

No major discoveries of oil or gas were recorded during the year. The increase in oil reserves during the year was almost entirely due to extensions of previously discovered fields. An oil discovery of some significance was made near Three Hills and has been designated as the Twining Field.

The Mines and Minerals Act of 1949 was replaced by The Mines and Minerals Act, 1962 at the Session of the Legislature. In addition, amendments were made to The Oil and Gas Conservation Act and to The Pipe Line Act, 1958.

Because of new and changing circumstances, a comprehensive study was made of existing Legislation and Regulations pertaining to petroleum and natural gas by a Government appointed Committee consisting of Government and Industrial representatives. Most of the recommendations were accepted and those concerning disposition of petroleum and natural gas rights were embodied in The Mines and Minerals Act, 1962.

The term of a petroleum and natural gas lease under the new Act will be ten years. Only the spacing unit for a producing well or one section, which ever is the larger, may be continued after the termination of a lease. Provision is made for the payment of compensatory royalty by a leaseholder in lieu of drilling a required offset well.

A significant change in the new Act is the establishment of an area termed "Block A" which extends from the Inter-

national border to Township 64, West of the 4th Meridian. This area has been explored to a degree which makes it unlikely that any more extensive oil fields will be discovered in it. In order to encourage further exploration, Crown reserves have been discontinued; reservations have been replaced by permits. Permit regulations provide that if a well is drilled, then the entire area of the permit may be leased. Provision is made for the refund of part of the rental for early completion of the initial well. A permit may not exceed an area of thirty-six sections and the rental is fifty cents an acre for six months. Reservation regulations no longer apply to "Block A" but remain in effect for the rest of the Province.

There are some changes in the details of the provisions of the regulations concerning the disposition of petroleum and natural gas rights in the remainder of the Province. In lease selection, there is no longer the requirement that a one-half mile wide border be left between a lease and the edge of the reservation. Credits for the first year's lease rental is restricted to geological or geophysical exploration with respect to the reservation, but may be granted for wells drilled in a group of which the reservation is a part.

Natural gas licences and Crown reserve natural gas licences are now limited to an area of thirty-six sections.

A new section provides for the leasing of quarrying minerals. Those parts of the old Act dealing with quartz and placer mining are replaced in the new Act by provisions to make regulations governing quartz mining and placer mining.

New royalty regulations provide a number of changes. The minimum royalty on crude oil is increased from 5% to 8%. The royalty on natural gas or residue gas increased from 15% to  $16\frac{2}{3}\%$  of the selling price or fair value. The royalty rate on other fluid hydrocarbons or sulphur is increased from  $12\frac{1}{2}\%$  to  $16\frac{2}{3}\%$ .

One of the amendments to The Pipe Line Act, 1958, removed propane and butanes from the definition of gas so that they may be batched for transmission in a liquid state in oil lines.

A separate report is issued yearly by the Mines Division and may be obtained from the Mines Division of this Department in the Natural Resources Building, Edmonton, Alberta.

Detailed reports of the other divisions follow.

All of which is respectfully submitted.

H. H. Somerville,  
*Deputy Minister.*

November 5, 1962.

## MINERAL RIGHTS DIVISION

*Report of the Director of Mineral Rights*

**J. W. PATRICK**

There was continued activity in the thirteenth year of administration by the Department of Mines and Minerals.

Footage drilled for petroleum and natural gas during 1961 was 9,942,272 feet. This was a decrease of 206,825 feet from 1960. The production of crude oil increased to 157,811,712 barrels being an increase of 24,946,495 barrels from 1960. The number of producing wells increased from 9,878 to 10,529 and were capable of maintaining an average daily rate of production of 966,974 barrels at December 31, 1961, under good production practice in accordance with sound engineering and economic principles. Because of inadequate markets the average daily oil produced during the year was only 432,361 barrels, an increase of nineteen percent from the previous year. There were 1,577 licences issued to drill for oil or gas during 1961 compared with 1,606 licences during the previous year.

Production of coal in Alberta in 1961 decreased by 376,267 tons.

The production and value of Alberta's chief minerals for 1961 were crude oil, 157,811,712 barrels valued at \$372,281,052.00 coal, 2,027,826 tons valued at \$10,471,217.00; natural gas \*444,144,456 Mcf., valued at \$35,531,556.48; and salt, 45,043 tons valued at \$1,517,745.00.

Mineral rights, solid, liquid and gaseous, the property of the Crown in right of Alberta, are not sold, but are disposed of by lease, reservation, licence, permit or other agreement for limited periods of time. Revenue is obtained from fees, rentals, bonuses, royalties, sales of leases and other miscellaneous charges. During the fiscal year these sources provided a revenue of \$117,196,433.80 being an increase of \$13,435,776.42 from the previous year. Sales of leases and reservations in Crown Reserves were held on four occasions in the fiscal year and the revenue from this source increased by \$370,000.00.

The Province is divided into two mining districts; the Edmonton district comprises that portion of the Province lying to the north of the north boundary of Township 42 and the balance of the Province lying to the south is contained in the Calgary district.

During the year 4,589 applications for mineral rights were filed at the office of the Mining Recorders in Edmonton and Calgary and at the office of the Department in Edmonton. Many inquiries were made as to the availability of mineral rights, mostly for petroleum and natural gas leases and reservations by personal application and by correspondence.

\*Includes only marketed and consumed gas

A tabulation of leases together with statements of business transacted follows.

## MINERAL RIGHTS LEASES

Type of Lease	Active at April 1, 1961	Issued	Reinstated	Divided	Cancelled	Renewed	Active at March 31, 1962
Petroleum and Natural Gas .....	30,199	4,072	99	90	3,343	34	31,083
Natural Gas .....	564	193	—	10	19	—	748
Petroleum .....	5	—	—	—	—	—	5
Coal .....	433	31	—	—	31	27	406
Road Allowance Coal .....	136	11	—	—	5	19	123
Quarrying .....	88	20	—	—	9	1	98
Salt .....	2	—	—	—	—	—	2
Bituminous Sands .....	50	26	—	—	—	—	76
Oil Sands .....	—	19	—	—	—	—	19
Iron .....	2	—	—	—	—	—	2
Sodium Sulphate .....	—	2	—	—	—	—	2
Miscellaneous .....	6	—	—	—	—	—	6
<b>TOTAL</b> .....	<b>31,485</b>	<b>4,374</b>	<b>99</b>	<b>100</b>	<b>3,407</b>	<b>81</b>	<b>32,570</b>

## ACREAGE CONTAINED IN ABOVE LEASES

Type of Lease	Active at April 1, 1961	Issued	Reinstated	Cancelled	Renewed	Active at March 31, 1962
Petroleum and Natural Gas .....	28,245,730	4,617,772	73,019	4,396,530	16,016	28,523,975
Natural Gas .....	2,311,011	800,379	—	16,779	—	3,094,611
Petroleum .....	36,471	—	—	—	—	36,471
Coal .....	142,268	14,825	—	15,691	7,282	134,120
Quarrying .....	15,513	1,363	—	621	40	16,215
Salt .....	1,204	—	—	—	—	1,204
Bituminous Sands .....	1,499,348	914,522	—	—	—	2,413,870
Oil Sands .....	—	685,842	—	—	—	685,842
Iron .....	442	—	—	—	—	442
Sodium Sulphate .....	—	2,136	—	—	—	2,136
Miscellaneous .....	3,806	—	—	—	—	3,806
<b>TOTAL</b> .....	<b>32,255,793</b>	<b>7,036,839</b>	<b>73,019</b>	<b>4,429,621</b>	<b>23,338</b>	<b>34,912,692</b>

## STATEMENT OF BUSINESS TRANSACTED, 1961-1962

## PETROLEUM AND NATURAL GAS

	Number	Acres
Leases Issued .....	4,072	4,617,772
Leases cancelled and relinquished .....	3,343	4,396,530
Leases reinstated .....	99	73,019
Reservations granted .....	345	14,751,287
Reservations terminated .....	333	15,342,265
Crown reserve drilling reservations granted .....	109	922,930
Crown reserve drilling reservations terminated .....	112	887,752
Natural gas licences issued .....	28	496,013
Natural gas licences terminated .....	40	762,543
Crown reserve natural gas licences issued .....	27	438,667
Crown reserve natural gas licences terminated .....	26	504,559
Natural gas leases issued .....	193	800,379
Natural gas leases cancelled and relinquished .....	19	16,779
Fees, rentals, penalties and bonuses collected .....	\$ 32,403,667.57	
Royalties collected .....	39,198,163.40	
Crown reserve sales .....	44,290,641.86	
<b>TOTAL</b> .....	<b>\$115,892,472.83</b>	



## COAL

	Number	Acres
Leases issued .....	31	14,825
Leases cancelled and relinquished .....	31	15,691
Road Allowance Leases—		
Leases issued .....	11	
Leases cancelled and relinquished .....	5	
Fees and rentals collected .....		\$ 67,998.95
Royalties collected .....		80,485.14
<b>TOTAL .....</b>		<b>\$148,484.09</b>

## QUARRYING

	Number	Acres
Leases issued .....	20	1,363
Leases cancelled and relinquished .....	9	621
Fees and rentals collected .....		\$ 155.00
Royalties collected .....		56,409.75
<b>TOTAL .....</b>		<b>\$56,564.75</b>

## MISCELLANEOUS

	Number
Bituminous sands leases issued .....	26
Bituminous sands prospecting permits issued .....	2
Bituminous sands prospecting permits terminated .....	11
Oil sands leases issued .....	19
Oil sands prospecting permits issued .....	3
Quartz—	
Claims recorded .....	18
Certificates of work issued .....	54
Placer—	
Claims recorded .....	1
Renewals issued .....	1
Tin prospecting permit issued .....	1
Sodium Sulphate leases issued .....	2
Sodium Sulphate prospecting permit terminated .....	1
Mineral Sales .....	3
Iron prospecting permits issued .....	2
Well licences issued .....	1,696
Geophysical licences issued .....	127
Permits to operate geophysical equipment issued .....	15
Permits to operate geophysical equipment renewed .....	55
Fees, rentals, royalties and miscellaneous charges .....	\$1,098,912.13

## PETROLEUM AND NATURAL GAS

**Leases**—During the year 4,072 petroleum and natural gas leases were granted covering 4,617,772 acres and at the close of the fiscal year a total of 31,083 leases were in existence comprising an area of 28,523,975 acres.

The revenue received from fees amounted to \$37,040.00. The revenue from lease rentals was \$25,796,236.57 and the revenue from bonuses accepted by the Mining Recorders at sales of petroleum and natural gas leases by tender amounted to \$249,258.67.

The revenue from penalties for deferment of drilling on petroleum and natural gas leases amounted to \$24,800.00.

**Disposal of Crown Reserves**—Petroleum and natural gas rights comprised in Crown reserves may be disposed of by order of the Lieutenant Governor in Council and during the year 362 leases, one reservation, 110 Crown reserve drilling reservations and 27 Crown reserve natural gas licences were purchased and particulars of these Crown reserve purchases are included in this report. Particulars of Crown reserve fractional area leases purchased and Crown reserve natural gas leases purchased pursuant to Sections 280 and 282 of The Mines and Minerals Act are also included.

## DEPARTMENT OF MINES AND MINERALS

## CROWN RESERVES PURCHASED IN ALHAMBRA AREA

Description	Offer Accepted From:	Cash Purchase Price
Sec. 27-41-6-5	Anglo American Exploration Ltd.	\$ 18,553.60
Sec. 28 & S. $\frac{1}{2}$ 33-41-6-5	Anglo American Exploration Ltd.	158,390.40
Sec. 29 & S. $\frac{1}{2}$ 32-41-6-5	Texaco Exploration Company and Texaco Canada Limited	127,511.17
Sec. 3-42-6-5	Texaco Exploration Company and Texaco Canada Limited	24,117.17
W. $\frac{1}{2}$ 11-42-6-5	Anglo American Exploration Ltd.	60,416.82
		<hr/> \$ 388,989.16

## CROWN RESERVES PURCHASED IN CARBON AREA

Description	Offer Accepted From:	Cash Purchase Price
Sec. 14-29-22-4	Amerada Petroleum Corporation	\$ 21,542.40
		<hr/> \$ 21,542.40

## CROWN RESERVES PURCHASED IN CAROLINE AREA

Description	Offer Accepted From:	Cash Purchase Price
Sec. 6-35-5-5 (Except Natural Gas in Basal Quartz Sandstone and Elkton Zones)	Altana Exploration Company	\$ 19,764.00
E. $\frac{1}{2}$ 1-35-6-5 (Except Natural Gas in Basal Quartz Sandstone and Elkton Zones)	Altana Exploration Company	4,845.00
Sec. 12-35-6-5 (Except Natural Gas in Basal Quartz Sandstone and Elkton Zones)	Altana Exploration Company	12,800.00
		<hr/> \$ 37,409.00

## CROWN RESERVES PURCHASED IN CARSON CREEK NORTH AREA

Description	Offer Accepted From:	Cash Purchase Price
Sec. 5-62-11-5	Mobil Oil of Canada, Ltd.	\$ 901,555.55
N. $\frac{1}{2}$ 7-62-11-5	Sun Oil Company	259,400.00
Sec. 32-61-11-5	Mobil Oil of Canada, Ltd.	601,555.55
N. $\frac{1}{2}$ 12-62-12-5	The Atlantic Refining Company	321,444.55
S. $\frac{1}{2}$ 13-62-12-5	Sun Oil Company	156,128.00
S. $\frac{1}{2}$ 14-62-12-5	The Atlantic Refining Company	280,018.19
W. $\frac{1}{2}$ 34-61-12-5	Mobil Oil of Canada, Ltd.	261,111.11
S. $\frac{1}{2}$ 15-62-12-5	The Atlantic Refining Company	43,333.33
N. $\frac{1}{2}$ 23-61-12-5	The Atlantic Refining Company	110,532.10
N. $\frac{1}{2}$ 27-61-12-5	Mobil Oil of Canada, Ltd.	40,111.11
N. $\frac{1}{2}$ 29-61-12-5	Mobil Oil of Canada, Ltd.	75,222.22
N. $\frac{1}{2}$ 30-61-12-5	Mobil Oil of Canada, Ltd.	45,011.11
S. $\frac{1}{2}$ 31-61-12-5	Mobil Oil of Canada, Ltd.	75,222.22
S. $\frac{1}{2}$ 32-61-12-5	Mobil Oil of Canada, Ltd.	61,234.56
S. $\frac{1}{2}$ 33-61-12-5	Mobil Oil of Canada, Ltd.	20,123.45
		<hr/> \$ 3,242,003.05

## CROWN RESERVES PURCHASED IN CLIVE AREA

Description	Offer Accepted From:	Cash Purchase Price
S. $\frac{1}{2}$ & N.W. $\frac{1}{4}$ 20-40-24-4	Crown Trust Company	\$ 21,118.27
		<hr/> \$ 21,118.27

## CROWN RESERVES PURCHASED IN CROSSFIELD AREA

Description	Offer Accepted From:	Cash Purchase Price
Sec. 4-31-3-5 (Except Natural Gas in the Turner Valley Zone)	Great Plains Development Company of Canada, Ltd., Canadian Superior Oil of California, Ltd., Northern Development Co. Ltd., Royalite Oil Company, Limited and Triad Oil Co. Ltd.	\$ 15,278.00
Sec. 24-30-4-5	Canadian Superior Oil Ltd.	12,901.00
W. $\frac{1}{2}$ 10-26-1-5	Transalta Minerals Ltd.	6,505.00
		<hr/> \$ 34,684.00

## CROWN RESERVES PURCHASED IN DEER MOUNTAIN AREA

Description		Offer Accepted From:	Cash Purchase Price
E. $\frac{1}{2}$ 31 & N.W. $\frac{1}{4}$	32-68-8-5	Canadian Homestead Oils Limited	\$ 216,100.00
W. $\frac{1}{2}$	4-69-8-5	Texaco Canada Limited and Consolidated Mic Mac Oils Ltd.	19,000.00
N.E. $\frac{1}{4}$	8-69-8-5	Texaco Canada Limited and Consolidated Mic Mac Oils Ltd.	37,500.00
Sec.	9-69-8-5	Canadian Homestead Oils Limited	50,210.00
W. $\frac{1}{2}$	31-68-8-5	Canadian Homestead Oils Limited	73,300.00
Sec.	30-68-8-5	Imperial Oil Limited	51,235.35
			<hr/>
			\$ 447,345.35

## CROWN RESERVES PURCHASED IN DRUMHELLER AREA

Description		Offer Accepted From:	Cash Purchase Price
S. $\frac{1}{2}$ & N.W. $\frac{1}{4}$	24-29-20-4	Empire State Oil Company, Penalta Petroleums Ltd. and Mark Charles Storms	\$ 30,711.77
			<hr/>
			\$ 30,711.77

## CROWN RESERVES PURCHASED IN ERSKINE AREA

Description		Offer Accepted From:	Cash Purchase Price
S.W. $\frac{1}{4}$	18-39-20-4	Edwin Foster Blair and Ashland Oil & Refining Company	\$ 21,716.00
			<hr/>
			\$ 21,716.00

## CROWN RESERVES PURCHASED IN EWING LAKE AREA

Description		Offer Accepted From:	Cash Purchase Price
N.E. $\frac{1}{4}$	26-37-21-4	The British American Oil Company Limited and Hudson's Bay Oil and Gas Company Limited	\$ 25,011.94
N.E. $\frac{1}{4}$	22-37-21-4	The British American Oil Company Limited	12,808.08
			<hr/>
			\$ 37,820.02

## CROWN RESERVES PURCHASED IN FENN-BIG VALLEY AREA

Description		Offer Accepted From:	Cash Purchase Price
Sec.	16-37-20-4	Supertest Petroleum Corporation Limited	\$ 25,960.00
			<hr/>
			\$ 25,960.00

## CROWN RESERVES PURCHASED IN GARRINGTON AREA

Description		Offer Accepted From:	Cash Purchase Price
S.W. $\frac{1}{4}$	16-37-6-5	New York Oils Limited	\$ 10,560.00
			<hr/>
			\$ 10,560.00

## CROWN RESERVES PURCHASED IN GILBY AREA

Description		Offer Accepted From:	Cash Purchase Price
Sec.	31-41-2-5	Southland Royalty Company	\$ 48,112.65
Sec.	6-42-2-5	Imperial Oil Limited	35,616.16
N. $\frac{1}{2}$	18-41-3-5	Altair Oil & Gas Co.	8,009.60
			<hr/>
			\$ 91,738.41

## CROWN RESERVES PURCHASED IN HARMATTAN EAST AREA

Description		Offer Accepted From:	Cash Purchase Price
W. $\frac{1}{2}$ (Except Natural Gas in the Turner Valley Zone)	32-31-3-5	Shell Oil Company of Canada, Limited and Canadian Superior Oil of California, Ltd.	\$ 38,500.00
S. $\frac{1}{2}$ (Except Natural Gas in the Turner Valley Zone)	22-32-3-5	Great Plains Development Company of Canada Ltd., Shell Oil Company of Canada, Limited and Canadian Superior Oil of California, Ltd.	8,168.00
Sec. (Except Natural Gas in the Turner Valley Zone)	30-31-3-5	Shell Oil Company of Canada, Limited and Canadian Superior Oil Ltd.	11,333.32
S. $\frac{1}{2}$	34-32-4-5	Shell Oil Company of Canada, Limited and Canada Superior Oil Ltd.	25,461.98
			<hr/>
			\$ 83,463.30

## CROWN RESERVES PURCHASED IN HARMATTAN-ELKTON AREA

Description	Offer Accepted From:	Cash Purchase Price
Sec. 20-31-3-5 (Except Natural Gas in the Turner Valley Zone)	Great Plains Development Company of Canada Ltd., Northern Development Co. Ltd., Royalite Oil Company, Limited and Triad Oil Co. Ltd.	\$ 10,634.00
S. $\frac{1}{2}$ & N.E. $\frac{1}{4}$ 34-31-4-5 (Except Natural Gas in the Turner Valley Zone)	Shell Oil Company of Canada, Limited and Canadian Superior Oil Ltd.	85,697.88
W. $\frac{1}{2}$ 2-32-4-5 (Except Natural Gas in Elkton Zone)	Shell Oil Company of Canada, Limited and Canadian Superior Oil Ltd.	32,761.92
Sec. 11-31-4-5 (Except Natural Gas in the Turner Valley Zone)	Canadian Homestead Oils Limited	12,500.50
Sec. 12-31-4-5 (Except Natural Gas in the Turner Valley Zone)	Pamoil Limited, Westburne Oil Development Limited and Mill City Petroleum Limited	67,505.00
S. $\frac{1}{2}$ 36-32-5-5	Amerada Petroleum Corporation	4,876.87
		<hr/> \$ 213,976.17

## CROWN RESERVES PURCHASED IN HOMEGLLEN-RIMBEY AREA

Description	Offer Accepted From:	Cash Purchase Price
Sec. 10-43-2-5	Amerada Petroleum Corporation	\$ 12,396.80
W. $\frac{1}{2}$ 11-43-2-5	Amerada Petroleum Corporation	6,198.40
		<hr/> \$ 18,595.20

## CROWN RESERVES PURCHASED IN JUDY CREEK AREA

Description	Offer Accepted From:	Cash Purchase Price
W. $\frac{1}{2}$ 27-63-10-5	Imperial Oil Limited	\$ 300,545.15
E. $\frac{1}{2}$ 28-63-10-5	Imperial Oil Limited	651,760.66
E. $\frac{1}{2}$ 33-63-10-5	Imperial Oil Limited	651,760.66
E. $\frac{1}{2}$ 4-64-10-5	Imperial Oil Limited	301,625.25
W. $\frac{1}{2}$ 23-64-11-5	Imperial Oil Limited	225,756.66
E. $\frac{1}{2}$ 23-64-11-5	Pan American Petroleum Corporation	131,231.00
E. $\frac{1}{2}$ 32-63-11-5	Denison Mines Limited	367,991.00
E. $\frac{1}{2}$ 17-63-10-5	Imperial Oil Limited	345,745.55
W. $\frac{1}{2}$ 17-63-10-5	Imperial Oil Limited	366,112.23
N. $\frac{1}{2}$ & S.E. $\frac{1}{4}$ 18-63-10-5	Imperial Oil Limited	601,333.44
E. $\frac{1}{2}$ 5-64-11-5	Hudson's Bay Oil and Gas Company Limited	51,235.20
W. $\frac{1}{2}$ 5-64-11-5	Imperial Oil Limited	600,755.55
		<hr/> \$ 4,595,852.35

## CROWN RESERVES PURCHASED IN JUDY CREEK WEST AREA

Description	Offer Accepted From:	Cash Purchase Price
W. $\frac{1}{2}$ 31-63-11-5	Imperial Oil Limited	\$ 400,545.23
E. $\frac{1}{2}$ 31-63-11-5	Imperial Oil Limited	400,646.44
W. $\frac{1}{2}$ 32-63-11-5	Imperial Oil Limited	300,723.55
W. $\frac{1}{2}$ 20-63-11-5	Sun Oil Company, Amurex Oil Company and Murphy-Canada Oil Company	383,900.00
E. $\frac{1}{2}$ 29-63-11-5	Denison Mines Limited	206,991.00
W. $\frac{1}{2}$ 29-63-11-5	Skelly Oil Company	501,366.40
E. $\frac{1}{2}$ 6-64-11-5	Imperial Oil Limited	227,525.25
W. $\frac{1}{2}$ 6-64-11-5	Imperial Oil Limited	276,221.12
E. $\frac{1}{2}$ 36-63-12-5	Imperial Oil Limited	125,756.25
E. $\frac{1}{2}$ 7-63-11-5	Imperial Oil Limited	101,132.33
W. $\frac{1}{2}$ 7-63-11-5	Dome Petroleum Limited and DeKalb Petroleum Corporation	34,400.00
W. $\frac{1}{2}$ 8-63-11-5	Imperial Oil Limited	251,353.55
E. $\frac{1}{2}$ 17-63-11-5	Imperial Oil Limited	201,450.66
W. $\frac{1}{2}$ 17-63-11-5	Imperial Oil Limited	575,466.67
E. $\frac{1}{2}$ 20-63-11-5	Denison Mines Limited	327,991.00
E. $\frac{1}{2}$ 12-63-12-5	Dome Petroleum Limited and DeKalb Petroleum Corporation	54,400.00
W. $\frac{1}{2}$ 12-63-12-5	Dome Petroleum Limited and DeKalb Petroleum Corporation	74,400.00
		<hr/> \$ 4,444,269.45

## CROWN RESERVES PURCHASED IN KAYBOB AREA

Description	Offer Accepted From:	Cash Purchase Price
Sec. 12-64-19-5	The Atlantic Refining Company	\$ 277,777.77
E. $\frac{1}{2}$ 26-64-19-5	The Atlantic Refining Company	126,777.77
W. $\frac{1}{2}$ 26-64-19-5	The Atlantic Refining Company	130,111.11
E. $\frac{1}{2}$ 33-64-19-5	The Atlantic Refining Company	75,567.89
W. $\frac{1}{2}$ 33-64-19-5	The Atlantic Refining Company	25,111.12
Sec. 36-64-19-5	The Atlantic Refining Company	181,181.91
		<hr/>
		\$ 816,527.57

## CROWN RESERVES PURCHASED IN LEAFLAND AREA

Description	Offer Accepted From:	Cash Purchase Price
S.E. $\frac{1}{4}$ 36-39-5-5	Union Oil Company of Canada Limited	\$ 6,500.00
E. $\frac{1}{2}$ 1-40-5-5	Apache Corporation	17,001.60
S. $\frac{1}{2}$ 12-40-5-5	Apache Corporation	20,137.60
N. $\frac{1}{2}$ 29-40-5-5	Pamoil Limited	13,440.00
Sec. 30-40-5-5	Pamoil Limited	26,880.00
Sec. 22-39-5-5	Murphy Oil Company Ltd.	23,392.00
Sec. 24-39-5-5	Canadian Homestead Oils Limited	38,550.00
N.E. $\frac{1}{4}$ 26-39-5-5	Canadian Oil Companies, Limited and Imperial Oil Limited	3,429.00
		<hr/>
		\$ 149,330.20

## CROWN RESERVES PURCHASED IN PEMBINA AREA

Description	Offer Accepted From:	Cash Purchase Price
N. $\frac{1}{2}$ 20-50-8-5	Pan American Petroleum Corporation, Canada-Cities Service Petroleum Corporation, Honolulu Oil Corporation, Texaco Exploration Company and Pacific Petroleum Ltd.	\$ 35,235.00
S. $\frac{1}{2}$ 20-50-8-5	Canada-Cities Service Petroleum Corporation, Pan American Petroleum Corporation, Canadian Seaboard Oil Company, Pacific Petroleum Ltd. and Honolulu Oil Corporation	32,323.23
N. $\frac{1}{2}$ 21-50-8-5	Pan American Petroleum Corporation, Canada-Cities Service Petroleum Corporation, Honolulu Oil Corporation, Texaco Exploration Company and Pacific Petroleum Ltd.	48,048.00
S. $\frac{1}{2}$ 21-50-8-5	Canada-Cities Service Petroleum Corporation, Pan American Petroleum Corporation, Canadian Seaboard Oil Company, Pacific Petroleum Ltd. and Honolulu Oil Corporation	48,484.48
E. $\frac{1}{2}$ 29-50-8-5	Pan American Petroleum Corporation, Canada-Cities Service Petroleum Corporation, Honolulu Oil Corporation, Texaco Exploration Company and Pacific Petroleum Ltd.	48,048.00
Sec. 9-49-6-5	Ashland Oil & Refining Company	16,650.00
Sec. 16-49-6-5	Ashland Oil & Refining Company	168,970.00
Sec. 5 & 6-48-10-5	Wintershall Oil of Canada Ltd.	32,055.00
N. $\frac{1}{2}$ 14-48-3-5	Whitehall Canadian Oils Ltd., Canadian High Crest Oils Limited, Westburne Oil Development Limited and Abilene Oil Enterprises Ltd.	14,200.00
W. $\frac{1}{2}$ 16 & E. $\frac{1}{2}$ 17-47- 6-5	Dome Petroleum Limited and DeKalb Petroleum Corporation	74,400.00
E. $\frac{1}{2}$ 20 & W. $\frac{1}{2}$ 21-47- 6-5	Dome Petroleum Limited and DeKalb Petroleum Corporation	98,800.00
W. $\frac{1}{2}$ 28 & E. $\frac{1}{2}$ 29-47- 6-5	Swain Oils Ltd.	44,000.00
N. $\frac{1}{2}$ & S.W. $\frac{1}{4}$ 33-47- 6-5	Dome Petroleum Limited and DeKalb Petroleum Corporation	18,800.00
N. $\frac{1}{2}$ 10-48- 6-5	Canadian Superior Oil Ltd.	40,101.00
Sec. 12-47-10-5	Dome Petroleum Limited, Dekalb Petroleum Corporation, Skelly Oil Company, Provo Gas Producers Limited and Provo Gas (Sask) Limited	54,400.00
N. $\frac{1}{2}$ 3-48- 2-5	Whitehall Canadian Oils Ltd. and Westburne Oil Development Limited	96,600.00
S. $\frac{1}{2}$ 9-48- 2-5	Whitehall Canadian Oils Ltd. and Westburne Oil Development Limited	82,250.00
S. $\frac{1}{2}$ 10-48- 2-5	Whitehall Canadian Oils Ltd. and Westburne Oil Development Limited	67,700.00
Sec. 13-50-11-5	Sun Oil Company	225,128.00
		<hr/>
		\$ 1,246,192.71

## CROWN RESERVES PURCHASED IN PINCHER CREEK AREA

Description	Offer Accepted From:	Cash Purchase Price
Sec. 16-3-28-4	Shell Oil Company of Canada, Limited	\$ 35,137.87
		<hr/>
		\$ 35,137.87



## CROWN RESERVES PURCHASED IN ROWLEY AREA

Description	Offer Accepted From:	Cash Purchase Price
N. $\frac{1}{2}$ 20 & S. $\frac{1}{2}$	29-31-20-4 Amerada Petroleum Corporation	\$ 22,479.59
		<hr/> \$ 22,479.59

## CROWN RESERVES PURCHASED IN SIMONETTE AREA

Description	Offer Accepted From:	Cash Purchase Price
N. $\frac{1}{2}$	31-62-25-5 Shell Oil Company of Canada, Limited	\$ 13,185.85
S.E. $\frac{1}{4}$	5-63-25-5 Shell Oil Company of Canada, Limited	8,237.37
		<hr/> \$ 21,423.22

## CROWN RESERVES PURCHASED IN SWAN HILLS AREA

Description	Offer Accepted From:	Cash Purchase Price
W. $\frac{1}{2}$	16-65-10-5 Pan American Petroleum Corporation and The British American Oil Company Limited	\$ 325,026.26
W. $\frac{1}{2}$	21-65-10-5 The Atlantic Refining Company	415,017.27
W. $\frac{1}{2}$	23-65-10-5 Pan American Petroleum Corporation and The British American Oil Company Limited	400,026.26
W. $\frac{1}{2}$	13-67-10-5 Luscar Coals Limited	260,011.00
E. $\frac{1}{2}$	5-68-10-5 French Petroleum Company of Canada Ltd. and Camerina Petroleum Corporation	141,278.78
W. $\frac{1}{2}$	5-68-10-5 Canadian Kewanee Limited	141,250.27
Sec.	15-68-10-5 French Petroleum Company of Canada Ltd. and Camerina Petroleum Corporation	101,278.78
Sec.	23-68-10-5 Canadian Kewanee Limited and Kern County Land Company	166,500.27
Sec.	33-68-10-5 Medallion Petroleums Limited and Ashland Oil & Refining Company	83,123.00
W. $\frac{1}{2}$	2-66-11-5 Hudson's Bay Oil and Gas Company Limited	550,006.40
W. $\frac{1}{2}$	11-66-11-5 Hudson's Bay Oil and Gas Company Limited	550,006.40
W. $\frac{1}{2}$	14-66-11-5 Pan American Petroleum Corporation and The British American Oil Company Limited	315,076.76
W. $\frac{1}{2}$	36-67-11-5 Amerada Petroleum Corporation	37,526.18
E. $\frac{1}{2}$	13-67-10-5 Luscar Coals Limited	112,011.00
W. $\frac{1}{2}$	25-67-10-5 Denison Mines Limited	156,991.00
E. $\frac{1}{2}$	22-65-11-5 Denison Mines Limited	376,991.00
W. $\frac{1}{2}$	26-65-11-5 Sun Oil Company, Amurex Oil Company and Murphy-Canada Oil Company	513,000.00
E. $\frac{1}{2}$	34-65-11-5 Denison Mines Limited	307,991.00
W. $\frac{1}{2}$	35-65-11-5 Imperial Oil Limited	576,565.75
E. $\frac{1}{2}$	3-66-11-5 Sun Oil Company, Amurex Oil Company and Murphy-Canada Oil Company	348,600.00
E. $\frac{1}{2}$	10-66-11-5 The Atlantic Refining Company	377,789.90
E. $\frac{1}{2}$	15-66-11-5 Pan American Petroleum Corporation and The British American Oil Company Limited	125,101.00
E. $\frac{1}{2}$	1-67-10-5 Luscar Coals Limited	61,011.00
E. $\frac{1}{2}$	12-67-10-5 Luscar Coals Limited	130,011.00
E. $\frac{1}{2}$	25-67-10-5 Dome Petroleum Limited, DeKalb Petroleum Corporation and Consumers' Co-operative Refineries Limited	88,800.00
Sec.	36-67-10-5 Dome Petroleum Limited, DeKalb Petroleum Corporation and Consumers' Co-operative Refineries Limited	154,400.00
Sec.	1-68-10-5 Dome Petroleum Limited, DeKalb Petroleum Corporation and Consumers' Co-operative Refineries Limited	122,800.00
Sec.	8-68-10-5 Tenneco Oil Company	179,167.00
Sec.	12-68-10-5 Dome Petroleum Limited, DeKalb Petroleum Corporation and Consumers' Co-operative Refineries Limited	158,800.00
W. $\frac{1}{2}$	11-65-11-5 Pan American Petroleum Corporation and The British American Oil Company Limited	416,100.00
W. $\frac{1}{2}$	14-65-11-5 Pan American Petroleum Corporation and The British American Oil Company Limited	512,100.00
E. $\frac{1}{2}$	15-65-11-5 Pan American Petroleum Corporation and The British American Oil Company Limited	240,100.00
E. $\frac{1}{2}$	6-68-10-5 The Atlantic Refining Company	82,879.87
W. $\frac{1}{2}$	6-68-10-5 Tenneco Oil Company	27,072.27
Sec.	7-68-10-5 Tenneco Oil Company	218,245.08
E. $\frac{1}{2}$	10-65-11-5 Pan American Petroleum Corporation and The British American Oil Company Limited	256,250.00
		<hr/> \$ 9,028,904.50

## CROWN RESERVES PURCHASED IN VIRGINIA HILLS AREA

Description	Offer Accepted From:	Cash Purchase Price
E. $\frac{1}{2}$	12-65-14-5 Hudson's Bay Oil and Gas Company Limited and Union Oil Company of California	\$ 60,022.40
W. $\frac{1}{2}$	12-65-14-5 Hudson's Bay Oil and Gas Company Limited and Union Oil Company of California	25,011.20
Sec.	25-65-14-5 Supertest Petroleum Corporation, Limited	23,680.00
		<hr/> \$ 108,713.60

## CROWN RESERVES PURCHASED IN WESTWARD-HO AREA

Description		Offer Accepted From:	Cash Purchase Price
N.W. ¼	32-32-4-5	Amerada Petroleum Corporation	\$ 8,115.11
S. ½	4-33-4-5	Hudson's Bay Oil and Gas Company Limited, Home Oil Company Limited, The Calgary & Edmonton Corporation Limited and Alminex Limited	22,115.20 8,115.11
S.W. ¼	6-33-4-5	Amerada Petroleum Corporation	\$ 38,345.42

## CROWN RESERVES PURCHASED IN WILLESSEN GREEN AREA

Description		Offer Accepted From:	Cash Purchase Price
E. ¼	11-42-6-5	Canadian Homestead Oils Limited	\$11,500.00
Sec.	12-42-6-5	New York Oils Limited (Non Personal Liability)	25,090.00
N.E. ¼	26-41-7-5	Wintershall Oil of Canada Ltd.	24,055.00
Sec.	36-41-7-5	Wintershall Oil of Canada Ltd.	147,055.00
N. ½ & S.E. ¼	30-41-6-5	Wintershall Oil of Canada Ltd.	25,030.00
S. ½	31-41-6-5	Wintershall Oil of Canada Ltd.	65,325.00
Sec.	4-42-7-5	Amerada Petroleum Corporation	52,586.98
Sec.	23-41-6-5	Anglo American Exploration Ltd.	71,673.60
Sec.	24-41-6-5	Anglo American Exploration Ltd.	67,833.60
Sec.	34-41-6-5	Canadian Homestead Oils Limited	32,700.00
			\$ 522,849.18

## CROWN RESERVES PURCHASED IN WIMBORNE AREA

Description		Offer Accepted From:	Cash Purchase Price
Sec.	28-33-26-4	The British American Oil Company Limited and Banff Oil Ltd.	\$ 75,112.00
			\$ 75,112.00

## CROWN RESERVES PURCHASED ELSEWHERE IN ALBERTA

Description		Offer Accepted From:	Cash Purchase Price
S. ½ & N.E. ¼	20-44-11-4	The California Standard Company	\$ 5,327.39
Sec.	28-44-11-4	The California Standard Company	7,127.39
N. ½ & S.E. ¼	4-40-17-4	Dome Petroleum Limited and Provo Gas Pro- ducers Limited	5,777.00
N.E. ¼	6-40-17-4	Dome Petroleum Limited and Provo Gas Pro- ducers Limited	1,735.00
S.W. ¼	6-40-17-4	Dome Petroleum Limited and Provo Gas Pro- ducers Limited	1,721.00
Sec.	10-35-18-4	Imperial Oil Limited and Canadian Superior Oil of California, Ltd.	16,524.44
LS's 2, 3 & 4	7-37-20-4	Union Texas Natural Gas Corporation	12,240.00
Sec.	32-34-21-4	Union Texas Natural Gas Corporation	19,189.00
E. ½	10-35-21-4	Union Texas Natural Gas Corporation	16,640.00
Sec.	4-19-28-4	Canadian Oil Companies, Limited	6,848.00
LS's 13, 14, 15 & 16	12-22-29-4	Canadian Oil Companies, Limited	1,780.00
W. ½	14-22-29-4	Canadian Oil Companies, Limited	5,170.00
N. ½ 29 & Sec.	32-28- 1-5	French Petroleum Company of Canada Ltd.	15,278.78
S. ½	16-32- 2-5	Canadian Oil Companies, Limited	10,870.00
(Except Natural Gas in the Turner Valley Zone)			
Sec.	10-31- 3-5	Great Plains Development Company of Canada, Ltd., Canadian Superior Oil of California, Ltd., Northern Development Co. Ltd., Royalite Oil Company, Limited and Triad Oil Co. Ltd.	7,671.00
(Except Natural Gas in the Turner Valley Zone)			
Sec.	22-31- 3-5	Canadian Superior Oil of California, Ltd., Alcon Petroleum Ltd. and American Metal Climax, Inc.	11,289.32
(Except Natural Gas in the Turner Valley Zone)			
Sec.	24-32- 3-5	Great Plains Development Company of Canada, Ltd., Canadian Superior Oil of California, Ltd., and Shell Oil Company of Canada, Limited	8,168.00
Sec.	24-39- 3-5	The British American Oil Company Limited	8,322.22
E. ½	36-39- 3-5	The British American Oil Company Limited	23,606.06
N. ½	10-30- 4-5	Union Oil Company of California	20,100.00
S. ½	22-30- 4-5	Union Oil Company of California	20,100.00
S. ½	4-36- 7-5	Shell Oil Company of Canada, Limited	4,810.00
S. ½	5-36- 7-5	Sinclair Canada Oil Company	9,727.11
N.E. ¼	32-53- 8-5	Canadian Superior Oil of California, Ltd.	4,935.77
S.W. ¼	32-53- 8-5	Canadian Superior Oil of California, Ltd.	4,964.80
N.W. ¼	33-53- 8-5	Canadian Superior Oil of California, Ltd.	4,935.77
Sec.	4-54- 8-5	Canadian Superior Oil of California, Ltd.	32,019.20
S.W. ¼	5-54- 8-5	Canadian Superior Oil of California, Ltd.	4,964.80
E. ½	6-54- 8-5	Canadian Superior Oil of California, Ltd.	16,009.60

## CROWN RESERVES PURCHASED ELSEWHERE IN ALBERTA

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
W. 1/2 3-56-12-5	Imperial Oil Limited	5,041.15
E. 1/2 4-56-12-5	Imperial Oil Limited	5,055.55
Sec. 9-55-14-5	The California Standard Company	11,121.37
Sec. 16-55-14-5	The California Standard Company	11,121.37
Sec. 6-64-23-5	The Atlantic Refining Company	30,505.05
Sec. 25-64-24-5	The Atlantic Refining Company	32,505.05
Sec. 20-35-19-4	Central-Del Rio Oils Limited and Carl Ernest Siegesmund	23,139.99
Sec. 18-34-20-4	Central-Del Rio Oils Limited and Carl Ernest Siegesmund	39,271.99
Sec. 23-16-21-4	Imperial Oil Limited	9,675.75
Sec. 25-31-21-4	Amerada Petroleum Corporation	32,155.55
Sec. 5-32-21-4	Central-Del Rio Oils Limited and Carl Ernest Siegesmund	42,386.99
W. 1/2 9-32-21-4	Central-Del Rio Oils Limited and Carl Ernest Siegesmund	42,226.99
S.W. 1/4 16-32-21-4	Central-Del Rio Oils Limited and Carl Ernest Siegesmund	22,226.99
Sec. 13-34-21-4	Central-Del Rio Oils Limited and Carl Ernest Siegesmund	91,701.99
S. 1/2 2-12-23-4	Barons Oil Limited	3,235.20
Sec. 4-38-23-4	Shell Oil Company of Canada, Limited	9,113.94
Sec. 16-38-23-4	Hunt Oil Company	16,134.75
N. 1/2 32-37-24-4	Paul August Rothwell	6,787.20
E. 1/2 6-21-27-4	United Canso Oil & Gas Ltd.	9,952.00
W. 1/2 18-21-27-4	United Canso Oil & Gas Ltd.	11,059.20
S. 1/2 & N.W. 1/4 14- 3-28-4	Neil Alan Ross	24,052.80
Sec. 24-21-28-4	United Canso Oil & Gas Ltd.	33,766.40
N. 1/2 & S.E. 1/4 10-30- 1-5 (Except Natural Gas in the Wabamun Zone)	Imperial Oil Limited	24,215.33
S.W. 1/4 10-30- 1-5	Imperial Oil Limited	8,123.55
Sec. 11-30- 1-5 (Except Natural Gas in the Wabamun Zone)	Imperial Oil Limited	32,464.64
Sec. 18-42- 2-5	Amerada Petroleum Corporation	19,357.78
Sec. 30-42- 4-5	Canadian Superior Oil Ltd. and Luscar Coals Limited	25,600.00
Sec. 25-42- 5-5	Canadian Superior Oil Ltd. and Luscar Coals Limited	19,200.00
N. 1/2 11 & S. 1/2 14-45- 5-5	Southland Royalty Company	64,291.50
Sec. 23-62-12-5	Mobil Oil of Canada, Ltd.	25,500.00
Sec. 24-62-12-5	Mobil Oil of Canada, Ltd.	51,000.00
Sec. 1-66-18-5	The Atlantic Refining Company	33,333.34
N. 1/2 1, Sec. 12 & S. 1/2 13-70-19-5	Shell Oil Company of Canada, Limited	105,553.91
Sec. 36-83-20-5	Shell Oil Company of Canada, Limited	9,701.00
Sec. 18-65-23-5	The Atlantic Refining Company	35,678.90
N. 1/2 21 & S. 1/2 28-64-24-5	The Calgary & Edmonton Corporation Limited, Canadian Oil Companies, Limited, Canadian Fina Oil Limited and Canadian Superior Oil Ltd.	41,700.00
Sec. 10-65-24-5	The Atlantic Refining Company	35,678.90
E. 1/2 25-87- 7-6	Shell Oil Company of Canada, Limited	27,452.97
E. 1/2 36-87- 7-6	Shell Oil Company of Canada, Limited	16,452.97
N.E. 1/4 4 & S.E. 1/4 9-29-18-4	Western Warner Oils Ltd.	3,232.00
N. 1/2 9-29-18-4	Western Warner Oils Ltd.	3,232.00
Sec. 18-40-18-4	Zapata Canadian Petroleum Corporation	10,668.80
Sec. 30-40-18-4	Canadian Superior Oil Ltd.	14,181.00
L.S.'s 11 & 12-32-26-19-4	Canadian Homestead Oils Limited	2,100.00
L.S.'s 2, 7 & 8-26-57-20-4	Canada-Cities Service Petroleum Corporation	4,363.20
N. 1/2 30-22-22-4	The Pure Oil Company	5,468.80
N.E. 1/4 32-22-22-4	The Pure Oil Company	1,596.69
S.W. 1/4 32-22-22-4	The Pure Oil Company	1,627.20
N.E. 1/4 22-22-23-4	The Pure Oil Company	2,091.20
S.E. 1/4 24-22-23-4	The Pure Oil Company	2,734.40
S.E. 1/4 28-22-23-4	The Pure Oil Company	1,931.20
L.S.'s 1, 7 & 8-32-22-23-4	The Pure Oil Company	1,448.40
W. 1/2 29-38-23-4	The British American Oil Company Limited and Scurry-Rainbow Oil Limited	4,755.00
N. 1/2 30-38-23-4	The British American Oil Company Limited and Scurry-Rainbow Oil Limited	7,930.00
S. 1/2 32-38-23-4	The British American Oil Company Limited and Scurry-Rainbow Oil Limited	4,770.00
E. 1/2 29 & S.E. 1/4 32-31-24-4	Mobil Oil of Canada, Ltd.	25,540.77

CROWN RESERVES PURCHASED ELSEWHERE IN ALBERTA

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
N $\frac{1}{2}$ & S.W. $\frac{1}{4}$ 5-32-24-4	Wintershall Oil of Canada Ltd.	34,030.00
S. $\frac{1}{2}$ 18-72-25-4	Western Decalta Petroleum Limited	3,544.00
Sec. 28-35-26-4	Apache Corporation	19,136.00
E. $\frac{1}{2}$ 29-35-26-4	Apache Corporation	3,315.00
W. $\frac{1}{2}$ 29-35-27-4	Canberra Oil Company Ltd.	41,770.00
S. $\frac{1}{2}$ & N.W. $\frac{1}{4}$ 30-35-27-4	Canberra Oil Company Ltd.	115,000.00
S. $\frac{1}{2}$ 3-51-27-4	Imperial Oil Limited	6,525.65
S. $\frac{1}{2}$ 4-51-27-4	Imperial Oil Limited	6,525.65
N. $\frac{1}{2}$ 10-51-27-4	Pan American Petroleum Corporation	57,050.00
W. $\frac{1}{2}$ 4-35-28-4	Cranberra Oil Company Ltd.	37,350.00
E. $\frac{1}{2}$ 24-35-28-4	Canberra Oil Company Ltd.	43,530.00
Sec. 10- 2-29-4	Home Oil Company Limited and Kern County Land Company	34,885.00
N. $\frac{1}{2}$ 34-21-29-4	Western Decalta Petroleum Limited	3,221.00
E. $\frac{1}{2}$ 36-34-29-4	Canberra Oil Company Ltd.	37,350.00
W. $\frac{1}{2}$ 22-25- 2-5	Devon-Palmer Oils Ltd. and Prairie Oil Royalties Company, Ltd.	3,521.79
N. $\frac{1}{2}$ 32-32- 2-5 (Except Natural Gas in the Turner Valley Zone)	Triad Oil Co. Ltd.	19,223.26
Sec. 34-32- 2-5	Triad Oil Co. Ltd.	32,016.26
S. $\frac{1}{2}$ 2-33- 2-5	Triad Oil Co. Ltd.	11,236.26
W. $\frac{1}{2}$ 4-33- 2-5	Canadian Export Gas & Oil Ltd.	16,301.30
N. $\frac{1}{2}$ 11-41- 2-5	The British American Oil Company Limited and French Petroleum Company of Canada Ltd.	6,726.26
(Except Natural Gas in the Detrital Sandstone and Pekisko Zones)		
Sec. 14-41- 2-5 (Except Natural Gas in the Detrital Sandstone and Pekisko Zones)	The British American Oil Company Limited and French Petroleum Company of Canada Ltd.	13,444.44
Sec. 36-47- 2-5	Swain Oils Ltd.	23,000.00
W. $\frac{1}{2}$ 11-39- 3-5	Devon-Palmer Oils Ltd. and Prairie Oil Royalties Company, Ltd.	23,050.77
Sec. 18-31- 4-5	Shell Oil Company of Canada, Limited and Canadian Superior Oil Ltd.	13,101.00
S. $\frac{1}{2}$ & N.W. $\frac{1}{4}$ 11-38- 4-5 (Except Natural Gas in the Basal, Blairmore and Elkton Zones)	Devon-Palmer Oils Ltd. and Prairie Oil Royalties Company, Ltd.	5,760.11
N.E. $\frac{1}{4}$ 26-41- 4-5	Hamilton Brothers Canadian Gas Company Ltd.	8,236.80
Sec. 36-41- 4-5	Hamilton Brothers Canadian Gas Company Ltd.	32,947.20
Sec. 15 & 22-44- 4-5	Imperial Oil Limited and Canadian Superior Oil Ltd.	25,744.44
Sec. 24-31- 5-5	Canadian Export Gas & Oil Ltd.	16,301.30
N. $\frac{1}{2}$ & S.W. $\frac{1}{4}$ 36-31- 5-5	Shell Oil Company of Canada, Limited and Canadian Superior Oil Ltd.	5,896.00
L.S.'s 1, 2, 8 & 9 10-33- 5-5	Transalta Minerals Ltd.	3,250.00
Sec. 14-39- 5-5	Amurex Oil Company	53,000.00
N. $\frac{1}{2}$ 30-37- 6-5	Imperial Oil Limited	10,055.75
Sec. 15-55- 6-5	Canadian Oil Companies, Limited	6,696.00
Sec. 28-55- 6-5	Canadian Oil Companies, Limited	7,296.00
Sec. 15-42-11-5	Plymouth Oil Company	20,480.00
N. $\frac{1}{2}$ 8-44-11-5	Plymouth Oil Company	4,016.00
S. $\frac{1}{2}$ 17-44-11-5	Plymouth Oil Company	4,016.00
Sec. 26-59-12-5	Triad Oil Co. Ltd. and Union Texas Natural Gas Corporation	64,773.34
S.E. $\frac{1}{4}$ 10 & S. $\frac{1}{2}$ 11-60-12-5	Devon-Palmer Oils Ltd. and Prairie Oil Royalties Company, Ltd.	38,461.78
Sec. 1-55-14-5	Pan American Petroleum Corporation	16,100.00
S. $\frac{1}{2}$ 2-55-14-5	Pan American Petroleum Corporation	8,050.00
S. $\frac{1}{2}$ 3-55-14-5	Pan American Petroleum Corporation	8,050.00
W. $\frac{1}{2}$ 29-55-14-5	Canadian Superior Oil Ltd.	6,541.00
E. $\frac{1}{2}$ 30-55-14-5	Canadian Superior Oil Ltd.	6,581.00
N. $\frac{1}{2}$ & S.E. $\frac{1}{4}$ 31-55-14-5	The California Standard Company	5,861.27
W. $\frac{1}{2}$ 32-55-14-5	The California Standard Company	4,021.31
N. $\frac{1}{2}$ 24-63-14-5	Shell Oil Company of Canada, Limited	15,755.55
S. $\frac{1}{2}$ 25-63-14-5	Shell Oil Company of Canada, Limited	15,755.55
Sec. 25-59-17-5	The Atlantic Refining Company	10,123.45
Sec. 32-67-18-5	The California Standard Company	53,127.89
Sec. 21-71-18-5	The Atlantic Refining Company	35,678.01
N $\frac{1}{2}$ & S. $\frac{1}{2}$ 34-67-19-5	Shell Oil Company of Canada, Limited	42,233.33
& S. $\frac{1}{2}$ 3-68-19-5		

## CROWN RESERVES PURCHASED ELSEWHERE IN ALBERTA

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
N.½ 13 & S.½	24-68-19-5	Shell Oil Company of Canada, Limited \$ 42,233.33
W.½	2-63-20-5	Hudson's Bay Oil and Gas Company Limited and Union Oil Company of Canada Limited 24,355.20
E.½	3-63-20-5	Hudson's Bay Oil and Gas Company Limited and Union Oil Company of Canada Limited 24,355.20
E.½	10-63-20-5	Hudson's Bay Oil and Gas Company Limited and Union Oil Company of Canada Limited 12,195.20
W.½	11-63-20-5	Hudson's Bay Oil and Gas Company Limited and Union Oil Company of Canada Limited 12,195.20
Sec.	8-82-12-6	The Calgary & Edmonton Corporation Limited 11,200.00
Sec.	26-82-13-6	Western Decalta Petroleum Limited 11,100.00
Sec.	33-29-4-4	The Calgary & Edmonton Corporation Limited 10,500.00
Sec.	3-30-4-4	The Calgary & Edmonton Corporation Limited 9,800.00
Sec.	16-39-21-4	Hunt Petroleum Corporation 7,207.03
W.½	22-39-21-4	Hunt Petroleum Corporation 3,287.03
Sec.	18-17-25-4	Imperial Oil Limited 7,155.15
Sec.	20-17-25-4	Scurry-Rainbow Oil Limited 12,864.00
W.½	13-51-27-4	Royalite Oil Company, Limited and Triad Oil Co. Ltd. 11,276.60
Sec.	2-30-1-5	(Except Natural Gas in the Waba- mun Zone)
NE¼	4-30-1-5	Imperial Oil Limited 35,366.66
Sec.	16-30-1-5	Imperial Oil Limited 9,011.16
(Except Natural Gas in the Waba- mun Zone)		
Sec.	32-30-1-5	Arkansas Fuel and Minerals Ltd. 42,395.76
(Except Natural Gas in the Waba- mun Zone)		
Sec.	2-33-1-5	Imperial Oil Limited 16,125.25
S.W.¼	22-28-3-5	Canadian Devonian Petroleums Limited 6,500.00
Sec.	6-42-4-5	Canberra Oil Company Ltd. 3,280.00
N.½ & S.W.¼	30-31-5-5	Hamilton Brothers Canadian Gas Company Ltd. 35,932.16
Sec.	12-32-5-5	Shell Oil Company of Canada, Limited 6,520.50
Sec.	14-32-5-5	Royalite Oil Company, Limited, Dome Petroleum Limited and Provo Gas Producers Limited 9,668.00
Sec.	7-40-6-5	Royalite Oil Company, Limited, Dome Petroleum Limited and Provo Gas Producers Limited 16,008.00
Sec.	6-40-6-5	Union Oil Company of Canada Limited 32,550.00
Sec.	24-26-7-5	Union Oil Company of Canada Limited 32,550.00
N.E.¼	26-26-7-5	Canadian Pacific Oil and Gas Limited 67,624.00
N.W.¼	23-54-11-5	Shell Oil Company of Canada, Limited 4,655.65
Sec.	32-62-11-5	United Canso Oil & Gas Ltd. 2,466.66
Sec.	30-53-12-5	Imperial Oil Limited 175,766.66
Sec.	4-53-13-5	Imperial Oil Limited 19,435.65
S.½	4-64-13-5	Home Oil Company Limited, Alminex Limited, Kern County Land Company and Mobil Oil of Canada, Ltd. 32,140.00
S.½	5-64-13-5	Shell Oil Company of Canada, Limited 111,091.91
S.½ & N.W.¼	6-64-13-5	Shell Oil Company of Canada, Limited 109,979.91
W.½	7-64-13-5	Shell Oil Company of Canada, Limited 109,997.79
N.W.¼	29-55-16-5	Royalite Oil Company, Limited, Dome Petroleum Limited and Provo Gas Producers Limited 12,008.00
N.½	31-55-16-5	Royalite Oil Company, Limited, Dome Petroleum Limited and Provo Gas Producers Limited 3,208.00
N.½ & S.W.¼	32-55-16-5	Royalite Oil Company, Limited, Dome Petroleum Limited and Provo Gas Producers Limited 6,408.00
S.½	6-56-16-5	Royalite Oil Company, Limited, Dome Petroleum Limited and Provo Gas Producers Limited 9,608.00
Sec.	24-80-21-5	Royalite Oil Company, Limited, Dome Petroleum Limited and Provo Gas Producers Limited 6,408.00
N.½	22-60-23-5	Canadian Oil Companies, Limited, The Calgary & Edmonton Corporation Limited, Alminex Limited and Bailey Selburn Oil & Gas Ltd. 6,450.00
N.½	23-60-23-5	The California Standard Company 6,433.49
S.½	26-60-23-5	The California Standard Company 6,433.49
S.½	27-60-23-5	The California Standard Company 6,433.49
W.½	20-62-25-5	The California Standard Company 6,433.49
E.½	20-62-25-5	Texaco Exploration Company 68,054.46
S.½	29-62-25-5	Texaco Exploration Company 82,163.27
Sec.	34-81-13-6	Texaco Exploration Company 72,755.29
Frac. Sec.	29-82-13-6	Western Decalta Petroleum Limited 9,600.00
		Western Decalta Petroleum Limited 6,360.00
		<hr/> \$ 4,020,274.79



# PETROLEUM AND NATURAL GAS RESERVATIONS PURCHASED IN PROVINCIAL RESERVES

Description	Offer Accepted From:	Cash Purchase Price
Comprising 46,080 acres in township 51, ranges 11 and 12, west of the 5th meridian and located in Cynthia Provincial Reserve.	Champlin Oil & Refining Co., Texas Pacific Coal and Oil Company and Midwest Oil Corporation	\$ 1,001,111.12 \$ 1,001,111.12

## CROWN RESERVE DRILLING RESERVATIONS PURCHASED

Description	Offer Accepted From:	Cash Purchase Price
Comprising 4,480 acres in township 34, range 9, west of the 4th meridian - Viking - six quarter sections.	Consolidated Mic Mac Oils Ltd., Colorado Oil and Gas Ltd. and Mayfair Oil & Gas Ltd.	\$ 41,903.00
Comprising 5,760 acres in township 29, range 20, west of the 4th meridian - Mississippian - nine quarter sections.	Panalta Petroleum Ltd.	46,234.56
Comprising 9,748 acres in townships 28 and 29, ranges 28 and 29, west of the 4th meridian, township 30, range 29, west of the 4th meridian and in township 39, range 1, west of the 5th meridian - Wabamun group - fourteen quarter sections.	Pan American Petroleum Corporation	505,050.00
Comprising 7,681 acres in townships 24, 25 and 26, range 2, west of the 5th meridian and in townships 24 and 25, range 3, west of the 5th meridian - Cardium formation - eleven quarter sections.	Dome Petroleum Limited and Provo Gas Producers Limited	20,400.00
Comprising 9,600 acres in township 26, range 2, west of the 5th meridian, townships 26, 27 and 28, range 3, west of the 5th meridian and in township 28, range 4, west of the 5th meridian - Elkton member of the Turner Valley formation - fourteen quarter sections.	Supertest Petroleum Corporation Limited, Mill City Petroleum Limited and Altana Explor- ation Company	55,660.00
Comprising 7,200 acres in townships 47 and 48, range 2, west of the 5th meridian and in township 48, range 3, west of the 5th meridian - Mississippian - ten quarter sections.	Supertest Petroleum Corporation Limited	60,600.00
Comprising 7,520 acres in township 51, ranges 6 and 7, west of the 5th meridian - Mississippian - eleven quarter sections.	Shell Oil Company of Canada Limited	27,453.33
Comprising 7,040 acres in townships 50 and 51, ranges 8 and 9, west of the 5th meridian - Mississippian - ten quarter sections.	Pan American Petroleum Corporation, Canada-Cities Service Petroleum Corporation, Honolu- lulu Oil Corporation, Pacific Petroleum Ltd. and Texaco Exploration Company	42,240.00
Comprising 12,320 acres in townships 39 and 40, ranges 10 and 11, west of the 5th meridian - Leduc formation of the Woodbend group - sixteen quarter sections.	Altair Oil & Gas Co.	25,601.59
Comprising 5,120 acres in township 35, range 10, west of the 4th meridian and in townships 35 and 36, range 11, west of the 4th meridian - Nisku formation of the Winterburn group - seven quarter sections.	Altair Oil & Gas Co. and Katex Oil Company	11,245.92
Comprising 5,120 acres in township 36, range 10, west of the 4th meridian and in townships 35 and 36, range 11, west of the 4th meridian - Wabamun group - seven quarter sections.	Altair Oil & Gas Co. and Katex Oil Company	13,587.89
Comprising 6,400 acres in townships 34 and 35, range 18, west of the 4th meridian - Leduc formation of the Woodbend group - nine quarter sections.	Canadian Oil Companies, Limited	15,450.00
Comprising 6,400 acres in township 18, range 21, west of the 4th meridian - Shunda formation of the Rundle group - nine quarter sections.	Great Plains Development Com- pany of Canada, Ltd.	14,444.45

## CROWN RESERVE DRILLING RESERVATIONS PURCHASED

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
Comprising 6,240 acres in townships 30 and 31, range 21, west of the 4th meridian - Mississippian - nine quarter sections.	Amurex Oil Company	\$ 80,175.00
Comprising 6,880 acres in townships 32 and 33, ranges 24 and 25, west of the 4th meridian - Pekisko formation - ten quarter sections.	Consolidated Mic Mac Oils Ltd. and Mayfair Oil & Gas Ltd.	83,208.00
Comprising 9,120 acres in townships 39, 40 and 41, range 25, west of the 4th meridian and in townships 40 and 41, range 26, west of the 4th meridian - Elk Point group - fourteen quarter sections.	Texaco Canada Limited	38,080.00
Comprising 5,760 acres in township 59, range 25, west of the 4th meridian and in townships 58 and 59, range 26, west of the 4th meridian - Nisku formation of the Winterburn group - eight quarter sections.	Mid-Western Industrial Gas Ltd.	52,704.00
Comprising 7,040 acres in townships 46 and 47, ranges 1 and 2, west of the 5th meridian - Mississippian - ten quarter sections.	The Ohio Oil Company	27,760.00
Comprising 6,880 acres in townships 55 and 56, range 8, west of the 5th meridian and in townships 56, range 9, west of the 5th meridian - Banff formation - ten quarter sections.	Hudson's Bay Oil and Gas Company Limited	100,096.00
Comprising 6,880 acres in township 57, ranges 8 and 9, west of the 5th meridian - Banff formation - ten quarter sections.	Canada-Cities Service Petroleum Corporation, Honolulu Oil Corporation and Pacific Petroleum Ltd.	104,024.16
Comprising 10,880 acres in townships 40 and 41, range 10, west of the 5th meridian - Mississippian - sixteen quarter sections.	Canadian Superior Oil Ltd., Great Plains Development Company of Canada, Ltd., Triad Oil Co. Ltd. and The Calgary & Edmonton Corporation Limited	92,236.80
Comprising 11,200 acres in townships 41 and 42, ranges 10 and 11, west of the 5th meridian - Mississippian - sixteen quarter sections.	Canadian Superior Oil Ltd., Great Plains Development Company of Canada, Ltd., Triad Oil Co. Ltd. and The Calgary & Edmonton Corporation Limited	107,596.80
Comprising 10,400 acres in township 41, range 12, west of the 5th meridian and in townships 41 and 42, range 13, west of the 5th meridian - Mississippian - sixteen quarter sections.	Texaco Canada Limited	30,720.00
Comprising 10,400 acres in township 41, range 13, west of the 5th meridian and in township 42, ranges 13 and 14, west of the 5th meridian - Mississippian - sixteen quarter sections.	Texaco Canada Limited	30,720.00
Comprising 11,040 acres in townships 38 and 39, range 14, west of the 5th meridian and in townships 38 and 40, range 15, west of the 5th meridian - Rundle group - sixteen quarter sections.	Imperial Oil Limited and The California Standard Company	50,444.44
Comprising 11,520 acres in townships 59 and 60, ranges 20 and 21, west of the 5th meridian - Leduc formation of the Woodbend group - sixteen quarter sections.	Canadian Fina Oil Limited, Hudson's Bay Oil and Gas Company Limited, Pan American Petroleum Corporation and Mobil Oil of Canada, Ltd.	155,033.60
Comprising 7,840 acres in township 78, ranges 23 and 24, west of the 5th meridian - immediately above the Precambrian granite - twelve quarter sections.	Canadian Oil Companies Limited, The Calgary & Edmonton Corporation Limited, Alminex Limited and Bailey Selburn Oil & Gas Ltd.	80,590.00
Comprising 7,680 acres in township 87, ranges 2 and 3, west of the 6th meridian - immediately above the Precambrian granite - eleven quarter sections.	Sun Oil Company and Pan American Petroleum Corporation	251,111.00

## CROWN RESERVE DRILLING RESERVATIONS PURCHASED

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
Comprising 5,600 acres in township 57, ranges 19 and 20, west of the 4th meridian - Leduc formation of the Woodbend group - eight quarter sections.	Canada-Cities Service Petroleum Corporation	\$ 25,278.00
Comprising 7,040 acres in townships 35 and 36, ranges 20 and 21, west of the 4th meridian - Leduc formation of the Woodbend group - ten quarter sections.	United Producing Company, Inc. and Carl E. Siegesmund	211,333.00
Comprising 5,760 acres in township 51, ranges 21 and 22, west of the 4th meridian - Devonian system - eight quarter sections.	Consolidated Mic Mac Oils Ltd.	26,100.00
Comprising 5,760 acres in township 52, range 22, west of the 4th meridian and in townships 51 and 52, range 23, west of the 4th meridian - Devonian system - eight quarter sections.	Consolidated Mic Mac Oils Ltd.	37,100.00
Comprising 8,140 acres in township 31, range 23, west of the 4th meridian and in townships 31 and 32, range 24, west of the 4th meridian - Cooking Lake formation of the Woodbend group - twelve quarter sections.	Consolidated Mic Mac Oils Ltd. and Mobil Oil of Canada, Ltd.	337,137.00
Comprising 9,600 acres in townships 19 and 20, ranges 26 and 27, west of the 4th meridian - Crossfield formation of the Wabamun group - fourteen quarter sections.	Skelly Oil Company	151,580.80
Comprising 6,881 acres in townships 23 and 24, ranges 27 and 28, west of the 4th meridian - Mississippian - eleven quarter sections.	Dea Oil of Canada Ltd.	51,865.70
Comprising 9,280 acres in townships 29 and 30, ranges 3 and 4, west of the 5th meridian, township 31, range 4, west of the 5th meridian and in township 30, range 5, west of the 5th meridian - Elkton member of the Turner Valley formation - fourteen quarter sections.	Canadian Superior Oil Ltd., The Calgary & Edmonton Corporation Limited, Home Oil Company Limited, Alminex Limited and Kern County Land Company	67,206.09
Comprising 9,920 acres in townships 36 and 37, ranges 3 and 4, west of the 5th meridian - Leduc formation of the Woodbend group - sixteen quarter sections.	DeKalb Petroleum Corporation	304,000.00
Comprising 8,320 acres in townships 39 and 40, range 8, west of the 5th meridian - Viking - twelve quarter sections.	Hunt Oil Company	105,555.55
Comprising 7,040 acres in townships 53 and 54, range 8, west of the 5th meridian - Mississippian - ten quarter sections.	The California Standard Company	32,111.11
Comprising 7,040 acres in township 54, range 8, west of the 5th meridian and in townships 53 and 54, range 9, west of the 5th meridian - Banff formation - ten quarter sections.	The Calgary & Edmonton Corporation Limited, Medallion Petroleum Limited, Consolidated Mic Mac Oils Ltd. and Canadian Superior Oil Ltd.	82,000.00
Comprising 6,240 acres in townships 59 and 60, ranges 8 and 9, west of the 5th meridian - Mississippian - nine quarter sections.	Consolidated Mic Mac Oils Ltd.	170,100.00
Comprising 6,400 acres in township 60, ranges 8 and 9, west of the 5th meridian - Mississippian - nine quarter sections.	Imperial Oil Limited	50,515.15
Comprising 11,200 acres in townships 52 and 53, range 20, west of the 5th meridian - Gilwood sand of the Elk Point group - sixteen quarter sections.	Triad Oil Co. Ltd.	32,300.00

## CROWN RESERVE DRILLING RESERVATIONS PURCHASED

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
Comprising 11,520 acres in township 52, range 20, west of the 5th meridian and in townships 52 and 53, range 21, west of the 5th meridian - Gilwood sand of the Elk Point group - sixteen quarter sections.	Triad Oil Co. Ltd.	\$ 32,300.00
Comprising 5,120 acres in township 26, ranges 14 and 15, west of the 4th meridian - Mississippian - seven quarter sections.	Francana Oil & Gas Ltd.	44,800.00
Comprising 5,704 acres in township 54, range 22, west of the 4th meridian, townships 53 and 54, range 23, west of the 4th meridian and in township 54, range 24, west of the 4th meridian - Wabamun group - eight quarter sections.	Northwestern Utilities Limited	25,439.84
Comprising 7,360 acres in township 37, range 24, west of the 4th meridian and in townships 36 and 37, range 25, west of the 4th meridian - Leduc formation of the Woodbend group - eleven quarter sections.	Union Texas Natural Gas Corporation and The California Standard Company	177,123.66
Comprising 9,120 acres in township 26, range 1, west of the 5th meridian, townships 25, 26, 27 and 28, range 2, west of the 5th meridian and in township 27, range 3, west of the 5th meridian - Shunda formation of the Rundle group - fourteen quarter sections.	Triad Oil Co. Ltd., Royalite Oil Company Limited and West Canadian Oil & Gas Limited	207,734.00
Comprising 6,400 acres in townships 42 and 43, ranges 2 and 3, west of the 5th meridian - Mississippian - ten quarter sections.	Canadian Superior Oil Ltd. and Imperial Oil Limited	104,333.38
Comprising 7,520 acres in township 41, ranges 4 and 5, west of the 5th meridian - Mississippian - eleven quarter sections.	Canadian Superior Oil Ltd. and Canberra Oil Company Ltd.	37,136.00
Comprising 10,560 acres in townships 32 and 33, ranges 5 and 6, west of the 5th meridian and in township 34, range 6, west of the 5th meridian - Leduc formation of the Woodbend group - sixteen quarter sections.	Supertest Petroleum Corporation Limited	39,168.00
Comprising 10,880 acres in townships 36, 37 and 38, range 8, west of the 5th meridian - Leduc formation of the Woodbend group - sixteen quarter sections.	French Petroleum Company of Canada Ltd.	78,789.89
Comprising 10,720 acres in townships 37 and 38, range 8, west of the 5th meridian and in townships 36 and 37, range 9, west of the 5th meridian - Leduc formation of the Woodbend group - sixteen quarter sections.	French Petroleum Company of Canada Ltd.	37,789.89
Comprising 6,880 acres in townships 57 and 58, range 9, west of the 5th meridian - Banff formation - ten quarter sections.	Imperial Oil Limited and Canada-Cities Service Petroleum Corporation	110,566.66
Comprising 6,400 acres in township 50, ranges 10 and 11, west of the 5th meridian - Cardium formation - nine quarter sections.	Texaco Exploration Company	207,145.21
Comprising 9,600 acres in townships 58 and 59, range 13, west of the 5th meridian and in township 58, range 14, west of the 5th meridian - Gilwood sand of the Elk Point group - fourteen quarter sections.	The Atlantic Refining Company	85,342.13

## CROWN RESERVE DRILLING RESERVATIONS PURCHASED

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
Comprising 11,520 acres in township 63, ranges 17 and 18, west of the 5th meridian and in township 64, range 18, west of the 5th meridian - Gilwood sand of the Elk Point group - sixteen quarter sections.	The California Standard Company, Pacific Petroleum Ltd. and The British American Oil Company Limited	\$ 202,227.89
Comprising 10,560 acres in township 62, ranges 18 and 19, west of the 5th meridian and in township 63, ranges 19 and 20, west of the 5th meridian - Gilwood sand of the Elk Point group - sixteen quarter sections.	The Atlantic Refining Company	142,586.31
Comprising 7,680 acres in township 77, range 12, west of the 6th meridian - Spray River equivalent formation - eleven quarter sections.	Canadian Oil Companies Limited and Alminex Limited	24,887.00
Comprising 8,480 acres in townships 35 and 36, range 4, west of the 5th meridian and in township 37, ranges 4 and 5, west of the 5th meridian - Banff formation - fourteen quarter sections.	DeKalb Petroleum Corporation	176,000.00
Comprising 9,280 acres in townships 40 and 41, ranges 5 and 6, west of the 5th meridian - Wabamun group - fourteen quarter sections.	Canadian Homestead Oils Limited	123,400.00
Comprising 10,240 acres in townships 62 and 63, range 17, west of the 5th meridian and in township 63, range 18, west of the 5th meridian - Gilwood sand of the Elk Point group - sixteen quarter sections.	Shell Oil Company of Canada, Limited	313,113.75
Comprising 10,400 acres in township 63, range 22, west of the 5th meridian and in townships 62 and 63, ranges 23 and 24, west of the 5th meridian - Gilwood sand of the Elk Point group - sixteen quarter sections.	The California Standard Company and Pan American Petroleum Corporation	26,779.88
Comprising 10,560 acres in townships 63 and 64, range 23, west of the 5th meridian and in township 63, range 24, west of the 5th meridian - Gilwood sand of the Elk Point group - sixteen quarter sections.	The California Standard Company and Pan American Petroleum Corporation	32,779.88
Comprising 12,320 acres in township 59, ranges 24 and 25, west of the 5th meridian - Leduc formation of the Woodbend group - sixteen quarter sections.	The British American Oil Company Limited and Shell Oil Company of Canada, Limited	32,081.76
Comprising 6,391 acres in townships 28 and 29, range 19, west of the 4th meridian - Mississippian - nine quarter sections.	Empire State Oil Company	91,711.77
Comprising 6,400 acres in townships 52 and 53, ranges 21 and 22, west of the 4th meridian - Cooking Lake formation of the Woodbend group - nine quarter sections.	Canada-Cities Service Petroleum Corporation	24,811.00
Comprising 8,160 acres in townships 38 and 39, ranges 3 and 4, west of the 5th meridian and in township 38, range 5, west of the 5th meridian - Banff formation - twelve quarter sections.	Dea Oil of Canada Ltd.	99,859.20
Comprising 9,280 acres in townships 59 and 60, ranges 11 and 12, west of the 5th meridian - Gilwood sand of the Elk Point group - fourteen quarter sections.	Home Oil Company Limited, Alminex Limited and Kern County Land Company	251,111.00

## CROWN RESERVE DRILLING RESERVATIONS PURCHASED

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
Comprising 9,236 acres in townships 58, 59 and 60, range 12, west of the 5th meridian - Gilwood sand of the Elk Point group - fourteen quarter sections.	Home Oil Company Limited, Pan American Petroleum Corporation, Canada-Cities Service Petroleum Corporation, Alminex Limited and Kern County Land Company	\$ 160,111.00
Comprising 7,040 acres in townships 75 and 76, range 13, west of the 5th meridian - immediately above the Precambrian granite - eleven quarter sections.	Hudson's Bay Oil and Gas Company Limited and Union Oil Company of Canada Limited	25,115.20
Comprising 11,520 acres in township 47, range 15, west of the 5th meridian and in townships 46 and 47, range 16, west of the 5th meridian - Mississippian - sixteen quarter sections.	Mobil Oil of Canada, Ltd.	77,644.80
Comprising 11,360 acres in townships 47 and 48, range 16, west of the 5th meridian and in township 48, range 17, west of the 5th meridian - Mississippian - sixteen quarter sections.	Mobil Oil of Canada, Ltd.	38,784.00
Comprising 10,080 acres in township 62, ranges 17 and 18, west of the 5th meridian and in township 63, range 18, west of the 5th meridian - Gilwood sand of the Elk Point group - sixteen quarter sections.	The Atlantic Refining Company	25,754.01
Comprising 10,880 acres in township 66, ranges 16 and 17, west of the 5th meridian and in townships 64 and 65, range 17, west of the 5th meridian - Gilwood sand of the Elk Point group - sixteen quarter sections.	Skelly Oil Company	69,964.80
Comprising 9,760 acres in townships 66 and 67, ranges 18 and 19 west of the 5th meridian - Gilwood sand of the Elk Point group - fourteen quarter sections.	Imperial Oil Limited	575,866.66
Comprising 10,720 acres in township 67, range 17, west of the 5th meridian and in townships 67 and 68, range 19, west of the 5th meridian - Gilwood sand of the Elk Point group - sixteen quarter sections.	The California Standard Company	402,516.23
Comprising 9,600 acres in townships 69 and 70, range 18, west of the 5th meridian - Gilwood sand of the Elk Point group - fourteen quarter sections.	Skelly Oil Company	212,329.60
Comprising 8,000 acres in townships 77 and 78, range 24, west of the 5th meridian and in township 77, range 25, west of the 5th meridian - immediately above the Precambrian granite - twelve quarter sections.	Hudson's Bay Oil and Gas Company Limited and Union Oil Company of Canada Limited	22,214.40
Comprising 7,520 acres in townships 73 and 74, range 5, west of the 6th meridian and in township 73, range 6, west of the 6th meridian - Debolt formation of the Rundle group - eleven quarter sections.	Canadian Oil Companies Limited, Central-Del Rio Oils Limited and Central Explorers Company	17,846.40
Comprising 10,720 acres in townships 99 and 100, ranges 10 and 11, west of the 6th meridian - immediately above the Precambrian granite - sixteen quarter sections.	Hudson's Bay Oil and Gas Company Limited and The British American Oil Company Limited	35,251.20
Comprising 6,720 acres in townships 34 and 35, ranges 20 and 21, west of the 4th meridian and in township 36, range 21, west of the 4th meridian - Ledue formation of the Woodbend group - ten quarter sections.	Canadian Devonian Petroleums Limited	65,756.00



## CROWN RESERVE DRILLING RESERVATIONS PURCHASED

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
Comprising 6,080 acres in township 38, ranges 21 and 22, west of the 4th meridian - Elk Point group - eleven quarter sections.	Hunt Petroleum Corporation	\$ 57,657.03
Comprising 10,880 acres in townships 55 and 56, ranges 13 and 14, west of the 5th meridian - Gilwood sand of the Elk Point group - sixteen quarter sections.	Mobil Oil of Canada, Ltd.	210,201.60
Comprise 9,600 acres in townships 59 and 60, ranges 13 and 14, west of the 5th meridian - Gilwood sand of the Elk Point group - fourteen quarter sections.	Canada-Cities Service Petroleum Corporation	65,184.00
Comprising 10,880 acres in township 61, range 13, west of the 5th meridian - immediately above the Precambrian granite - sixteen quarter sections.	Mobil Oil of Canada, Ltd.	77,312.00
Comprising 10,720 acres in townships 62 and 63, ranges 13 and 14, west of the 5th meridian - Cambrian sediments - sixteen quarter sections.	Shell Oil Company of Canada, Limited	218,657.57
Comprising 10,400 acres in township 63, range 13, west of the 5th meridian and in townships 63 and 64, range 14, west of the 5th meridian - Cambrian sediments - sixteen quarter sections.	Shell Oil Company of Canada, Limited	437,364.64
Comprising 7,040 acres in township 79, range 14, west of the 5th meridian - immediately above the Precambrian granite - eleven quarter sections.	Kern County Land Company	18,110.00
Comprising 9,600 acres in townships 69 and 70, ranges 18 and 19, west of the 5th meridian - Elk Point group - fourteen quarter sections.	The California Standard Company	161,111.13
Comprising 10,560 acres in townships 68 and 69, range 19, west of the 5th meridian - immediately above the Precambrian granite - sixteen quarter sections.	Hudson's Bay Oil and Gas Company Limited and Union Oil Company of Canada Limited	169,625.60
Comprising 10,240 acres in township 68, range 19, west of the 5th meridian and in townships 68 and 69, range 20, west of the 5th meridian - immediately above the Precambrian granite - sixteen quarter sections.	Hudson's Bay Oil and Gas Company Limited and Union Oil Company of Canada Limited	92,825.60
Comprising 10,880 acres in townships 63 and 64, range 20, west of the 5th meridian and in township 63, range 21, west of the 5th meridian - Beaverhill Lake formation - sixteen quarter sections.	Canadian Delhi Oil Ltd.	87,040.01
Comprising 7,680 acres in township 67, range 23, west of the 5th meridian - Permo-Pennsylvanian sediments - eleven quarter sections.	The California Standard Company	19,003.03
Comprising 9,951 acres in townships 75 and 76, range 26, west of the 5th meridian - immediately above the Precambrian granite - fourteen quarter sections.	The California Standard Company	230,601.61
Comprising 8,960 acres in townships 75 and 76, range 1, west of the 6th meridian - immediately above the Precambrian granite - fourteen quarter sections.	The California Standard Company	127,777.79

## CROWN RESERVE DRILLING RESERVATIONS PURCHASED

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
Comprising 5,760 acres in township 80, range 5, west of the 6th meridian and in township 81, ranges 5 and 6, west of the 6th meridian - Toad-Grayling formations - eight quarter sections.	Hudson's Bay Oil and Gas Company Limited and Union Oil Company of Canada Limited	\$ 14,796.80
Comprising 7,040 acres in townships 80 and 81, ranges 11 and 12, west of the 6th meridian - Toad - Grayling formations - ten quarter sections.	Western Decalta Petroleum Limited, The Petrol Oil & Gas Company, Limited (No Personal Liability) and Consolidated East Crest Oil Company Limited	16,800.00
Comprising 5,824 acres in townships 9 and 10, ranges 17 and 18, west of the 4th meridian - Turner Valley formation of the Rundle group - eight quarter sections.	L.M. Oil Company Ltd. and Monsanto Chemical Company	20,646.40
Comprising 6,400 acres in township 31, range 20, west of the 4th meridian and in townships 31 and 32, range 21, west of the 4th meridian - Pekisko formation - nine quarter sections.	Murphy Oil Company Ltd.	112,837.00
Comprising 6,720 acres in township 33, range 24, west of the 4th meridian and in townships 32 and 33, range 25, west of the 4th meridian - Pekisko formation - ten quarter sections.	Murphy Oil Company Ltd.	88,070.00
Comprising 9,600 acres in townships 35 and 36, range 6, west of the 5th meridian and in township 34, ranges 5 and 6, west of the 5th meridian - Shunda formation of the Rundle group - fourteen quarter sections.	Altana Exploration Company	23,200.00
Comprising 6,880 acres in townships 52 and 53, range 8, west of the 5th meridian - Mississippian - ten quarter sections.	Pan American Petroleum Corporation, Canada-Cities Service Petroleum Corporation, Texaco Exploration Company and Pacific Petroleums Ltd.	175,646.40
Comprising 7,520 acres in township 69, range 10, west of the 5th meridian and in township 70, ranges 10 and 11, west of the 5th meridian - Gilwood sand of the Elk Point group - eleven quarter sections.	The California Standard Company	26,407.18
Comprising 10,400 acres in township 53, ranges 14 and 15, west of the 5th meridian - Gilwood sand of the Elk Point group - sixteen quarter sections.	Home Oil Company Limited, Alminex Limited and Kern County Land Company	89,753.60
Comprising 6,400 acres in township 102, ranges 22 and 23, west of the 5th meridian - Slave Point formation - nine quarter sections.	Canadian Fina Oil Limited, Canadian Superior Oil Ltd., Canadian Oil Companies, Limited and The Calgary & Edmonton Corporation Limited	20,188.80
Comprising 6,400 acres in township 89, range 11, west of the 6th meridian and in township 90, ranges 11 and 12, west of the 6th meridian - Toad - Grayling formations - nine quarter sections.	Home Oil Company Limited, Alminex Limited and Kern County Land Company	18,086.40
Comprising 7,294 acres in townships 77 and 78, range 13, west of the 6th meridian - Toad - Grayling formations - eleven quarter sections.	Canadian Oil Companies, Limited and Alminex Limited	20,330.00
Comprising 12,640 acres in township 71, range 18, west of the 5th meridian and townships 70 and 71, range 19, west of the 5th meridian - Gilwood sand of the Elk Point group - twenty quarter sections.	Imperial Oil Limited	513,125.25
		<u>\$ 11,419,084.78</u>

## CROWN RESERVE NATURAL GAS LICENCES PURCHASED

Description	Offer Accepted From:	Cash Purchase Price
Comprising 11,680 acres in townships 27 and 28, ranges 3 and 4, west of the 4th meridian.	King-Stevenson Oil, Ltd.	\$ 3,001.00
Comprising 4,800 acres in township 31, range 3, west of the 4th meridian.	Pinto Petroleums Ltd.	480.00
Comprising 5,920 acres in township 50, range 10, west of the 4th meridian.	Hamilton Brothers Canadian Gas Company Ltd.	22,318.40
Comprising 18,016 acres in township 56, range 25, west of the 4th meridian, townships 55 and 56, ranges 26 and 27, west of the 4th meridian, township 57, range 27, west of the 4th meridian and in townships 56 and 57, range 1, west of the 5th meridian.	Mid-Western Industrial Gas Ltd.	138,723.20
Comprising 13,920 acres in townships 59 and 60, range 26, west of the 4th meridian, townships 60 and 61, range 27, west of the 4th meridian and in townships 60 and 61, range 1, west of the 5th meridian.	McAlester Canadian Oil Company and Arrowhead Exploration Company Ltd.	153,676.80
Comprising 2,880 acres in township 17, ranges 2 and 3, west of the 4th meridian.	Canadian Homestead Oils Limited	3,600.00
Comprising 11,520 acres in township 26, range 6, west of the 4th meridian.	Devon-Palmer Oils Ltd. (No Personal Liability)	3,225.60
Comprising 8,480 acres in townships 1 and 2, range 8, west of the 4th meridian and in township 1, range 9, west of the 4th meridian.	Canadian-Montana Gas Company Limited	17,326.00
Comprising 7,360 acres in township 30, range 12, west of the 4th meridian.	Mid-Western Industrial Gas Ltd.	15,014.40
Comprising 7,200 acres in township 19, range 14, west of the 4th meridian.	Canadian Pacific Oil and Gas Limited	2,664.00
Comprising 20,320 acres in townships 23 and 24, ranges 3 and 4, west of the 4th meridian.	Devon-Palmer Oils Ltd. (No Personal Liability) and Prairie Oil Royalties Company Ltd.	10,769.60
Comprising 5,120 acres in townships 31 and 32, ranges 4 and 5, west of the 4th meridian.	Whitehall Canadian Oils Ltd. and Canadian High Crest Oils Limited	15,000.00
Comprising 15,680 acres in townships 24, 25 and 26, range 10, west of the 4th meridian and in township 25, range 11, west of the 4th meridian.	Tidal Petroleum Corporation Ltd.	43,066.00
Comprising 4,640 acres in township 25, range 13, west of the 4th meridian.	Hudson's Bay Oil and Gas Company Limited and Canadian Delhi Oil Ltd.	22,132.80
Comprising 9,280 acres in township 29, ranges 21 and 22, west of the 4th meridian.	Canadian Pacific Oil and Gas Limited and Zapata Canadian Petroleum Corporation	33,129.60
Comprising 32,160 acres in townships 38, 39 and 40, range 11, west of the 5th meridian.	Altair Oil & Gas Co.	6,009.65
Comprising 22,240 acres in township 77, range 10, west of the 6th meridian and in township 78, ranges 10 and 11, west of the 6th meridian.	Western Decalta Petroleum Limited and Camerina Petroleum Corporation	5,638.00
Comprising 19,571 acres in townships 3 and 4, ranges 6 and 7, west of the 4th meridian, township 4, range 8, west of the 4th meridian and in township 5, range 7, west of the 4th meridian.	United Canso Oil & Gas Ltd.	2,348.52
Comprising 49,400 acres in township 2, ranges 7 and 8, west of the 4th meridian, township 3, range 8, west of the 4th meridian, townships 2 and 3, range 9, west of the 4th meridian and in townships 3 and 4, range 10, west of the 4th meridian.	Empire State Oil Company and Camerina Petroleum Corporation	80,028.00

## CROWN RESERVE NATURAL GAS LICENCES PURCHASED

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
Comprising 11,840 acres in townships 40 and 41, ranges 7 and 8, west of the 4th meridian.	Provo Gas Producers Limited	\$ 4,800.00
Comprising 12,640 acres in townships 50 and 51, ranges 14 and 15, west of the 5th meridian and in township 51, range 16, west of the 4th meridian.	Canadian Husky Oil Ltd.	31,852.80
Comprising 34,080 acres in townships 65 and 66, ranges 20, 21 and 22, west of the 4th meridian.	Skelly Oil Company	3,748.80
Comprising 17,120 acres in townships 60 and 61, range 26, township 61, range 27, west of the 4th meridian and in township 61, range 1, west of the 5th meridian.	McAlester Canadian Oil Company and Arrowhead Exploration Company Ltd.	71,502.40
Comprising 45,120 acres in townships 75 and 76, ranges 6, 7 and 8, west of the 6th meridian and in township 76, range 9, west of the 6th meridian.	The Calgary & Edmonton Corporation Limited and Canadian Industrial Gas Limited	252,250.17
Comprising 23,040 acres in townships 81 and 82, ranges 7 and 8, west of the 6th meridian.	Western Decalta Petroleum Limited	1,308.00
Comprising 8,640 acres in townships 35 and 36, ranges 7 and 8, west of the 4th meridian.	Altair Oil & Gas Co.	17,125.60
Comprising 22,400 acres in townships 51 and 52, ranges 13, 14 and 15, west of the 4th meridian and in township 53, ranges 15 and 16, west of the 4th meridian.	Provo Gas Producers Limited	7,728.00
		<hr/> \$ 968,467.34

## CROWN RESERVE NATURAL GAS LEASES PURCHASED

(Pursuant to The Mines and Minerals Act Section 280)

Description	Offer Accepted From:	Cash Purchase Price
Comprising 72 acres in the west half of section 11, township 26, range 21, west of the 4th meridian.	Tenneco Corporation	\$ 652.75
Comprising 102.5 acres in the south half of section 7, township 28, range 20, west of the 4th meridian.	Tenneco Corporation	191.00
Comprising 117.76 acres in the west half of section 30, township 22, range 17, west of the 4th meridian.	Canadian Pacific Oil and Gas Limited	773.00
Comprising 49.35 acres in the west half of section 31, township 22, range 17, west of the 4th meridian.	Canadian Pacific Oil and Gas Limited	39.00
Comprising 74.50 acres in the north east quarter of section 24, township 22, range 18, west of the 4th meridian.	Canadian Pacific Oil and Gas Limited	1,851.00
Comprising 292 acres in the north half and south east quarter of section 23, township 24, range 20, west of the 4th meridian.	Canadian Pacific Oil and Gas Limited	3,750.00
The south west quarter of section 34, township 25, range 21, west of the 4th meridian.	Canadian Pacific Oil and Gas Limited	372.00
Comprising 37 acres in the north half of section 36, township 25, range 21, west of the 4th meridian.	Canadian Pacific Oil and Gas Limited	41.00
Comprising 6 acres in the north east quarter of section 10, township 26, range 21, west of the 4th meridian.	Canadian Pacific Oil and Gas Limited	19.00
Comprising 14 acres in the south east quarter of section 13, township 26, range 21, west of the 4th meridian.	Canadian Pacific Oil and Gas Limited	178.00

## CROWN RESERVE NATURAL GAS LEASES PURCHASED

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
Section 14, the north east quarter of section 23, sections 24 and 25, the north east quarter of section 26 and section 35, township 24, range 11, west of the 4th meridian.	Hudson's Bay Oil and Gas Company Limited and Canadian Delhi Oil Ltd	\$ 27,156.00
Section 36, township 24, range 11, west of the 4th meridian.	Hudson's Bay Oil and Gas Company Limited and Canadian Delhi Oil Ltd.	1,280.00
Comprising 1,497 acres in townships 54 and 55, range 22, west of the 4th meridian.	Mid-Western Industrial Gas Ltd.	15,309.21
Comprising 1,968 acres in the north west quarter of section 18, township 25, range 28, west of the 4th meridian and portions of sections 4, 12, 16, 24, 34 and 36, township 25, range 29, west of the 4th meridian and legal subdivisions 1 and 2 of section 24, township 26, range 1, west of the 5th meridian.	Jefferson Lake Petrochemicals of Canada Ltd.	528,108.00
Comprising 226.01 acres in portions of sections 3, 4, 9 and 10, township 26, range 28, west of the 4th meridian and portions of section 11, township 26, range 29, west of the 4th meridian.	Mobil Oil of Canada, Ltd. and Jefferson Lake Petrochemicals of Canada Ltd.	26,556.00
Legal subdivisions 1, 2 and 8 of section 14, township 26, range 1, west of the 5th meridian.	Banff Oil Ltd., Canada Oil Lands Ltd. and Britalta Petroleum Limited	2,064.00
Comprising 16.50 acres in a portion of section 11, township 26, range 29, west of the 4th meridian.	Mobil Oil of Canada, Ltd. and Jefferson Lake Petrochemicals of Canada Ltd.	9,005.00
		<hr/> \$ 617,344.96

## CROWN RESERVE NATURAL GAS LEASES PURCHASED

(Pursuant to the Mines and Minerals Act Section 282 Subsection (2) Clause (b))

Description	Offer Accepted From:	Cash Purchase Price
Legal subdivision 5 of section 23, township 53, range 26, west of the 4th meridian.	Canadian Industrial Gas Limited	\$ 5,249.97
Comprising 134.50 acres in portions of section 23, township 53, range 26, west of the 4th meridian.	Imperial Oil Limited	17,653.03
Comprising 187.90 acres in a portion of the north half and south west quarter of section 23, township 13, range 1, west of the 4th meridian.	Many Islands Pipe Lines Limited	7,545.26
The north half of section 24, township 61, range 12, west of the 5th meridian.	Mobil Oil of Canada, Ltd.	40,500.00
The east half of section 19, township 25, range 13, west of the 4th meridian.	Francana Oil & Gas Ltd.	6,324.00
Comprising 6.8 acres in the west half of section 33, township 54, range 22, west of the 4th meridian.	Northwestern Utilities, Limited	289.84
The south east quarter of section 2, township 32, range 4, west of the 5th meridian.	Shell Oil Company of Canada, Limited and Canadian Superior Oil Ltd.	20,750.00
Comprising 94.91 acres in the north half of section 33, township 50, range 18, west of the 4th meridian.	Canada-Cities Service Petroleum Corporation	2,032.00
Comprising 9 acres in the north west quarter of section 5, township 50, range 23, west of the 4th meridian.	Union Oil Company of Canada Limited and Imperial Oil Limited	1,097.00
Comprising 59.4 acres in the north half of section 25, township 53, range 21, west of the 4th meridian.	Canada-Cities Service Petroleum Corporation	2,990.00
		<hr/> \$ 104,431.10

## CROWN RESERVE FRACTIONAL AREA LEASES PURCHASED

Description	Offer Accepted From:	Cash Purchase Price
Comprising 640 acres in section 14, township 32, range 3, west of the 4th meridian.	Great Plains Development Company of Canada, Ltd., Canadian Superior Oil Ltd. and Shell Oil Company of Canada, Limited	\$ 19,500.00
Comprising 39 acres in section 31, township 40, range 3, west of the 5th meridian.	The British American Oil Company Limited	3,900.00
Comprising 2 acres in section 9, township 34, range 1, west of the 5th meridian.	Pan American Petroleum Corporation	454.00
Comprising 7.26 acres in section 33, township 39, range 3, west of the 5th meridian.	The British American Oil Company Limited	2,888.00
Comprising 139 acres in section 7, township 40, range 3, west of the 5th meridian.	The British American Oil Company Limited	8,699.00
Comprising 44 acres in section 17, township 17, range 16, west of the 4th meridian.	The British American Oil Company Limited	660.00
Comprising 24 acres in section 12, township 26, range 21, west of the 4th meridian.	Mobil Oil of Canada, Ltd.	480.00
Comprising 35 acres in section 12, township 26, range 21, west of the 4th meridian.	Mobil Oil of Canada, Ltd.	700.00
Comprising 6.85 acres in section 13, township 41, range 21, west of the 4th meridian.	Tenneco Oil Company	760.84
Comprising 320 acres in section 35, township 36, range 6, west of the 5th meridian.	Hudson's Bay Oil and Gas Company Limited, Supertest Petroleum Corporation, Limited and Altana Exploration Company	25,000.00
Comprising 160 acres in section 18, township 48, range 2, west of the 5th meridian.	Supertest Petroleum Corporation, Limited	6,250.00
Comprising 156.80 acres in section 12, township 21, range 28, west of the 4th meridian.	United Canso Oil & Gas Ltd., American Metal Climax, Inc., Texas Gas Exploration Foreign, C.A., and Kissinger Petroleum Ltd.	6,710.00
Comprising 44.93 acres in section 3, township 41, range 21, west of the 4th meridian.	The California Standard Company	3,730.13
Comprising 116 acres in section 9, township 47, range 21, west of the 4th meridian.	Canada-Cities Service Petroleum Corporation	4,376.68
Comprising 38.06 acres in section 27, township 40, range 21, west of the 4th meridian.	The California Standard Company	3,159.78
Comprising 41.90 acres in section 27, township 40, range 21, west of the 4th meridian.	The California Standard Company	3,478.58
Comprising 51.50 acres in section 17, township 47, range 21, west of the 4th meridian.	Canada-Cities Service Petroleum Corporation	1,943.10
Comprising 2.73 acres in section 21, township 39, range 3, west of the 5th meridian.	The British American Oil Company Limited	358.31
Comprising 3.70 acres in section 3, township 37, range 6, west of the 5th meridian.	Supertest Petroleum Corporation, Limited	77.00
Comprising 80.80 acres in section 26, township 40, range 21, west of the 4th meridian.	The California Standard Company	6,708.09
Comprising 2.72 acres in section 33, township 39, range 3, west of the 5th meridian.	The British American Oil Company Limited	1,082.00



## CROWN RESERVE FRACTIONAL AREA LEASES PURCHASED

(Continued)

Description	Offer Accepted From:	Cash Purchase Price
Comprising 106.25 acres in section 9, township 40, range 21, west of the 4th meridian.	Hunt Oil Company	\$ 2,177.92
Comprising 58.10 acres in section 13, township 41, range 21, west of the 4th meridian.	The California Standard Company	6,453.25
Comprising 58.42 acres in section 25, township 40, range 21, west of the 4th meridian.	The California Standard Company	2,900.72
Comprising 25.65 acres in section 15, township 41, range 21, west of the 4th meridian.	The California Standard Company	2,129.49
Comprising 8.5 acres in section 15, township 37, range 20, west of the 4th meridian.	The British American Oil Company Limited	344.78
Comprising 47.70 acres in section 3, township 37, range 6, west of the 5th meridian.	Supertest Petroleum Corporation, Limited	4,017.00
Comprising 20.125 acres in section 14, township 31, range 24, west of the 4th meridian.	Mobil Oil of Canada, Ltd.	3,533.95
Comprising 20.125 acres in section 27, township 31, range 24, west of the 4th meridian.	Mobil Oil of Canada, Ltd.	3,533.95
Comprising 23 acres in section 7, township 37, range 20, west of the 4th meridian.	Runnels Gas Products Corporation	2,346.00
Comprising 159 acres in section 11, township 28, range 2, west of the 5th meridian.	Shell Oil Company of Canada, Limited	14,726.64
Comprising 210.40 acres in section 15, township 47, range 1, west of the 5th meridian.	Whitehall Canadian Oils Ltd.	10,520.00
Comprising 53 acres in section 13, township 45, range 1, west of the 5th meridian.	The British American Oil Company Limited	6,353.00
Comprising 161 acres in section 17, township 42, range 7, west of the 5th meridian.	Amerada Petroleum Corporation	8,000.00
Comprising 16 acres in section 1, township 36, range 21, west of the 4th meridian.	The British American Oil Company Limited	2,113.00
		<hr/> \$ 170,065.21

**Reservations**—During the fiscal year 345 reservations were issued covering an area of 14,751,287 acres and at the close of the year 663 reservations were active containing an area of 30,854,012 acres.

The revenue from reservation fees amounted to \$87,500.00, for extending reservations amounted to \$2,808,856.61 and the revenue from bonuses accepted by the Director of Mineral Rights at sales of petroleum and natural gas reservations by tender amounted to \$2,070,724.81.

Credit of not in excess of fifty percent of the approved expenditures incurred in geophysical examination including drilling on petroleum and natural gas reservations may apply to the rental for one year of any lease or leases acquired out of

the reservations and during the fiscal year under review rentals of \$3,978,803.56 were satisfied from such expenditures.

**Crown Reserve Drilling Reservations**—During the fiscal year 109 drilling reservations were issued covering an area of 922,930 acres and at the close of the year 135 were active containing an area of 1,155,939 acres.

The revenue from drilling reservation fees amounted to \$27,250.00, from rentals \$558,699.75 and the revenue from accepted offers at sales of Crown reserve drilling reservations amounted to \$11,419,084.78.

Credit may be granted for expenditures incurred in drilling a well on a drilling reservation and applied in satisfaction of the first year's rental. During the fiscal year rentals on leases acquired out of the reservations of \$167,242.00 were satisfied by credit.

**Natural Gas Licences**—During the fiscal year 28 natural gas licences covering an area of 496,013 acres were issued and at the close of the year fifteen licences were active containing an area of 460,924 acres. The revenue from fees was \$7,250.00 and from rentals was \$42,830.45. Credit may be granted for expenditures incurred in drilling a well on a natural gas licence and applied in satisfaction of the first year's rental. During the fiscal year rentals on leases acquired out of the licences of \$70,836.23 were satisfied by credit.

**Crown Reserve Natural Gas Licences**—During the fiscal year 27 Crown reserve natural gas licences covering an area of 438,667 acres were issued. At the close of the year 24 licences were active, containing an area of 516,124 acres. The revenue from fees was \$6,750.00, from rentals \$62,466.45 and the revenue from accepted offers at sales of Crown reserve natural gas licences amounted to \$968,467.34. Credit may be granted for expenditures incurred in drilling a well on a Crown reserve natural gas licence and applied in satisfaction of the first year's rental. During the fiscal year rentals on leases acquired out of the licences of \$10,564.30 were satisfied by credit.

**Natural Gas Leases**—During the fiscal year 193 natural gas leases were issued covering 800,379 acres, and at the close of the fiscal year a total of 748 leases were in existence comprising an area of 3,094,611 acres. One hundred and sixty-six of the leases were granted out of natural gas licences or Crown reserve natural gas licences and permit the recovery of natural gas from one or more zones specified in the lease. Ten leases were issued comprising the balance of the spacing units to permit natural gas wells that were capable of commercial production to be operated at full production allowable and seventeen leases were issued within unitized areas.

The annual rental of a natural gas lease is thirty-three and one-third cents an acre while an adequate market or a market in which the lessee may participate is not available, the annual rental is reduced to ten cents an acre. The revenue received from fees was \$1,960.00 and from lease rentals \$622,044.26.

## COAL

In the fiscal year, 31 leases were issued containing 14,825 acres, being made up of new and renewal and second renewal leases. There are now 406 active leases comprising 134,120 acres. There were eleven road allowance coal mining leases issued and there are now 123 active. The revenue received from fees was \$245.00 and from lease rentals \$67,753.95.

Crown royalties collected during the fiscal year were \$80,485.14 and the following tonnage of coal, subject to royalty was mined.

	Tons
Coal Leases .....	842,905
Coal Lands and Mineral Sales .....	89,411
<b>TOTAL</b> .....	<b>932,316</b>

## QUARRYING

During the fiscal year twenty quarrying leases comprising a total of 1,363 acres were issued, one for shale, five for volcanic ash, three for sandstone, three for limestone, two for rock phosphate, two for sandstone and shale, one for limestone and shale and three for gypsum.

Extraction of 609,459 tons of limestone and shale, 39,446 cubic yards of clay, 33,958 tons of bentonite, 80 tons of sandstone and 245 tons of building stone and 36 cubic yards of marl from Crown leases was reported and at the close of the fiscal year 98 quarrying leases containing an area of 16,215 acres were active.

## BITUMINOUS SANDS

During the fiscal year 26 bituminous sands leases, comprising a total of 914,522 acres were issued, and at the close of the year 76 leases were active containing an area of 2,413,870 acres. Two bituminous sands prospecting permits were issued during the year. There were four permits active at the close of the year.

## OIL SANDS

During the year regulations were established providing for the issuing of oil sands prospecting permits and oil sands leases. These regulations apply to all of the province excepting the area in which bituminous sands prospecting permits may be acquired.

Three oil sands prospecting permits and nineteen oil sands leases were issued during the year.

## QUARTZ

During the fiscal year eighteen claims were recorded and 54 continued for a further year. The claim in the Drumheller district for the recovery of bentonite was one of those continued.

## PLACER

During the fiscal year one claim was recorded and one renewed for another year. There were 179 ounces of gold and seventeen ounces of silver recovered at two gravel plants.

## SODIUM CHLORIDE (Common Salt)

During the fiscal year the plant near Lindberg operated and reported extraction of 45,043 tons, an increase of 3,065 tons over the previous year.

## SULPHUR

The total production of sulphur in Alberta in 1961 was 434,396 tons, an increase of 44,470 tons over that reported the previous year.

## IRON

During the fiscal year two iron prospecting permits were issued comprising 39,125 acres.

## TIN

During the fiscal year one tin prospecting permit was issued comprising 19,988 acres.

## MINERAL SALES

During the fiscal year three notifications were issued pursuant to section 26 of The Mines and Minerals Act. These are known as mineral sales and are acquired at a nominal consideration of \$1.00. Section 26 provides a means whereby minerals in roadways may be returned to the adjacent owner.

## WELL LICENCES

There were 1,696 well licences issued during the fiscal year for the drilling of oil and gas wells, structure test holes, injection wells and water wells.

## DRILLING STATISTICS

The drilling and production of petroleum and natural gas wells in the Province are administered by the Oil and Gas Conservation Board, 603 - 6th Avenue South West, Calgary, Alberta, and particulars as to the drilling activity, production and statistical data are included in weekly, monthly and annual reports issued by the Board.

## GEOPHYSICAL AND GEOLOGICAL EXPLORATION

A person desiring to undertake geophysical or sub-surface geological exploration must obtain a licence from the Department. The applicant before the issue of the licence must furnish a cash deposit to the Provincial Treasurer in the sum of \$1,000.00 to insure that operations are conducted in accordance with The

Mines and Minerals Act and the regulations governing geophysical exploration. During the fiscal year 127 licences were issued and they will expire on the 31st of March following, unless renewed.

The regulations governing operations by seismic gravimetric, magnetic, electrical, geochemical, test drilling or other method which may be used for the purpose of exploring the subsurface require the operator to obtain an annual permit to operate geophysical equipment and a fee of \$25.00 is required for each permit. During the fiscal year fifteen such permits were issued and 55 renewed.

There are four investigators and each is allocated an area of the Province and he inspects crews in his area. When it is represented to the Department that a crew has interfered with the right of a person the matter is investigated and in the event that damage or other interference has resulted an investigator endeavours to assist the person affected and the crew in arriving at a settlement.

### UNIT OPERATION OF MINERALS

During the fiscal year nineteen agreements pursuant to Part IX of The Mines and Minerals Act were entered into for unit operation of petroleum and natural gas properties. These agreements were:

Provost Viking Gas Unit No. 2 in township 35, range 7, west of the 4th meridian.

Pembina Cardium Unit No. 14 in township 49, range 9, west of the 5th meridian.

Namao Blairmore "A" Unit in townships 54 and 55, ranges 24 and 25, west of the 4th meridian.

Sarcee Unit Agreement in townships 22 and 23, range 3, west of the 5th meridian.

Wainwright Unit No. 1 in section 32, township 45, range 6, west of the 4th meridian.

Mid-Western Fort Saskatchewan Viking Gas Unit in townships 54 and 55, ranges 21, 22 and 23, west of the 4th meridian.

Calgary Crossfield Unit No. 1 in townships 24 and 25, ranges 28 and 29, west of the 4th meridian.

Calgary Elkton Unit No. 1 in townships 25 and 26, ranges 28 and 29, west of the 4th meridian and in range 1, west of the 5th meridian.

Chauvin Main Mannville Unit in township 43, range 1, west of the 4th meridian.

Drumheller Nisku Unit No. 1 in township 29, ranges 19 and 20, west of the 4th meridian.

Crossfield Cardium Unit No. 1 in townships 28, 29, 30 and 31, ranges 2, 3 and 4, west of the 5th meridian.

Acheson Lower Cretaceous Unit Agreement No. 1 in townships 52 and 53, range 26, west of the 4th meridian.

Pembina Cardium Unit No. 8 in township 48, range 8, west of the 5th meridian.

Crossfield Turner Valley Unit No. 1 in townships 27, 28 and 29, ranges 1, 2 and 3, west of the 5th meridian.

Wood River Basal Quartz Unit No. 1 in townships 42 and 43, ranges 23 and 24, west of the 4th meridian.

Leduc Woodbend D-2 B Pool Unit in township 48, ranges 25 and 26, west of the 4th meridian.

Parkland Turner Valley Unit No. 1 in townships 14 and 15, range 28, west of the 4th meridian.

Windfall D-3 Unit in townships 59, 60 and 61, ranges 15 and 16, west of the 5th meridian.

Blue Rapids Unit No. 1 in townships 47 and 48, ranges 9 and 10, west of the 5th meridian.

Three Units involving Crown lands were established pursuant to section 73 of The Oil and Gas Conservation Act. This section deals with the compulsory pooling of tracts within a spacing unit. One unit pertains to the gas in the Crossfield formation in the Calgary Area. One unit pertains to the gas in the Ostracod Sandstone formation in the Big Lake field and one unit pertains to the oil and gas in the Pekisko formation of the Rundle group in the Gilby field.

In order to permit operations of petroleum and natural gas properties to comply with schemes directed or approved by the Oil and Gas Conservation Board, 30 agreements were made permitting the performance of the schemes. Ten agreements authorized the return of salt water produced with petroleum to subsurface formations in the Joarcam, Battle, Erskine, Stettler, Cessford, Pine Creek, Sturgeon Lake South, Windfall and Simonette fields. Fifteen agreements permitted the injection of water for pressure maintenance purposes. Ten were into the Cardium formation of the Pembina Field, two into the Cardium formation of the Willesden Green Field, one into the Viking formation of the Hamilton Lake Field, one into the Beaverhill Lake formation of the Judy Creek Field and one into the Beaverhill Lake formation of the Swan Hills Field. Two agreements permitted the injection of any substance for pressure maintenance purposes into the Cardium formation of the Pembina Field. Two agreements permitted the injection of gas for pressure maintenance purposes. One was into the Turner Valley formation of the Harmattan East Field and one into the Cardium formation of the Pembina Field. One agreement permitted the return of salt water produced with natural gas to a subsurface formation in the Pouce Coupe South Field.

### STAFF

At the close of the fiscal year the Division staff numbered 58 employees all of whom are to be commended for the very capable performance of their duties throughout the year.



# MINERAL TAX DIVISION

## *Report of the Superintendent*

J. A. SAVAGE

Producing area tax revenue for the fiscal year ending March 31st, 1962 amounted to \$991,779.50 being an increase of \$34,106.30 over the previous year's revenue of \$957,673.20. The tax rate for the 1961 assessment remained at eight mills.

On November 8th, 1961 an Order in Council was passed which determined three cents (3c) per acre for the year 1962 as the rate per acre at which the tax was to be paid by every owner on the mineral or minerals, within, upon or under the tract of which he is the owner, pursuant to subsection (1) of section 4 of The Mineral Taxation Act, being Chapter 203 of the Revised Statutes. For the fiscal year ending March 31st, 1962, mineral tax based on acreage was received in the amount of \$277,992.80 which was a decrease of \$25,058.65 from the \$303,051.45 received in the preceding year.

Six new fields were added to the designated producing areas for the year 1961. They are Harmattan-Elkton which is a petroleum field, Innisfail which is a petroleum and natural gas field and Alexander, Bindloss, Carstairs-Elkton and Oyen which are natural gas fields. The areas were assessed as unitized areas and the assessments were made in accordance with the tract factors listed in the Royalty Unitization Agreements.

All producing areas designated by Ministerial Order are listed below showing the number of parcels assessed, minerals assessed and the assessed value of each producing area.

Producing Area	Parcels Assessed	Principal Mineral	Assessed Value
Acheson	29	Petroleum and Natural Gas	\$ 3,372,092.35
Alexander	11	Natural Gas	489,471.44
Bentley	19	Petroleum	1,624,000.68
Bindloss	3	Natural Gas	13,558.59
Bonnie Glen	20	Petroleum and Natural Gas	7,213,013.45
Campbell	11	Petroleum and Natural Gas	127,190.85
Carstairs-Elkton	19	Natural Gas	1,102,227.92
Fenn-Big Valley	59	Petroleum	7,968,478.40
Harmattan-Elkton	38	Petroleum	2,073,114.31
Innisfail	23	Petroleum and Natural Gas	4,964,620.34
Joarcam	70	Petroleum	5,810,087.54
Joffre	49	Petroleum	8,096,956.15
Jumping Pound	56	Natural Gas	1,267,134.84
Leduc	275	Petroleum	20,724,302.80
Medicine Hat-Redcliff	112	Natural Gas	374,896.15
Medicine Hat-Roseglen	10	Natural Gas	32,434.33
Nevis	92	Petroleum and Natural Gas	657,845.22
Okotoks	61	Natural Gas	789,584.52
Oyen	1	Natural Gas	5,402.12
Pincher Creek	27	Natural Gas	2,335,941.84
Provost	120	Natural Gas	297,197.08
Redwater	16	Petroleum	5,932,290.28
Stettler	12	Petroleum	1,940,467.97
Turner Valley	62	Petroleum and Natural Gas	3,703,606.75
Viking-Kinsella	438	Natural Gas	721,431.93
Westerose	5	Petroleum	2,309,593.46
Wizard Lake	6	Petroleum and Natural Gas	4,674,719.14

In addition to producing areas designated by Ministerial Order, there are 829 parcels on which a well or a mine is located. These had a total assessed value of \$32,472,705.44 with the principal minerals assessed being petroleum, natural gas, coal and salt.

Under the heading of parcels assessed are the number of items appearing on the assessment roll with each parcel relating to the area contained in a certificate of title. In determining the assessed value of a parcel, each spacing unit on which a well has been brought into production is calculated separately; consequently, several calculations may be made in arriving at the assessment for petroleum in a parcel containing minerals in a section of land.

The revenue derived from the taxation of minerals from the enactment of the statute in 1941 until March 31st, 1949 collected by the Department of Lands and Mines was \$1,921,180.47 and revenue collected by the Department of Mines and Minerals from April 1st, 1949 is shown in the following tabulation:

Year	Mill Rate	Producing	Per Acre	Acreage Tax	Fees	Total
1949-50	8	\$ 452,838.16	1½c	\$297,883.10	\$ 286.50	\$ 751,007.76
1950-51	8	526,029.61	1½c	307,062.62	511.00	833,603.23
1951-52	8	444,293.91	1½c	323,185.71	2,320.10	769,799.72
1952-53	8	572,671.45	1½c	310,285.08	3,204.00	886,160.53
1953-54	8	717,352.55	1½c	283,853.18	1,055.50	1,002,261.23
1954-55	8	1,031,913.72	1½c	277,842.74	1,467.00	1,311,223.46
1955-56	8	1,031,802.40	1½c	264,496.50	914.50	1,297,213.40
1956-57	8	1,070,380.73	1½c	272,883.90	1,101.50	1,344,366.13
1957-58	8	1,232,795.31	1½c	282,057.60	1,056.50	1,515,909.41
1958-59	8	1,115,478.85	1½c	306,179.40	472.00	1,422,130.25
1959-60	8	909,799.94	1½c	337,452.83	545.50	1,247,798.27
1960-61	8	957,673.20	1½c	303,051.45	339.00	1,261,063.65
1961-62	8	991,779.50	* 3c	277,992.80	545.50	1,270,317.80

\* Change in rate effective January 1st, 1962.

There were 1,091 mineral tax certificates issued during the fiscal year with revenue derived therefrom being \$545.50. A tax certificate shows the amount of current taxes and arrears payable with respect to the mineral or minerals contained in a certificate of title and anyone may obtain a certificate for a fee of fifty cents.

The Mineral Titles Redemption Act which had been in force since April 14th, 1958 terminated on March 31st, 1961 insofar as giving a person the right to make application for recovery of title to minerals which had vested in Her Majesty under the Mineral Taxation Act, 1945, or the Mineral Taxation Act, 1947.

During the fiscal year 132 titles were returned to the former owners pursuant to the provisions of The Mineral Titles Redemption Act making a total of 1,125 titles returned since the inception of the Act on April 14th, 1958.

In some instances, after the mineral titles were acquired by the Crown, the minerals were granted under lease, licence, reservation, permit or other agreement, for exploration and development. The statute provides that where the minerals have been granted by the Crown, the return of the title to the

former owner must be delayed until the minerals are no longer under lease, licence, reservation, permit or other agreement. In these instances, the former owner is entitled to receive the moneys collected by the Crown less a deduction of an amount equal to the tax that would have been charged had title been returned.

Return of the mineral title was deferred in thirteen cases during the fiscal year and the amount of moneys returned to the former owners was \$20,079.07. This brings the total to \$307,809.27 that has been returned to former owners since the Act came into force.

There were 14 agreements terminated during the year which resulted in titles being returned to former owners. As at March 31st, 1962, there were 85 titles, the redemption of which will be delayed because they are subject to lease, licence, reservation, permit or other agreement.

## PIPE LINE DIVISION

*Report of the Acting Superintendent*

**G. W. BULLYMORE**

During the year ending March 31st, 1962, construction of pipe lines continued at a rate exceeding that for the previous fiscal year. Most construction involved major gas transmission lines and gas gathering systems. This increase in the construction of gas lines partially offset by a decrease in construction of oil lines and oil gathering systems.

The Alberta Gas Trunk Line Company Limited completed their section of the system which ultimately supplies gas to the California, Pacific Northwest and Montana markets. Because of the location of this major transmission line, a number of individuals and communities were able to receive gas in areas which were previously too remote.

The year saw the completion of all sour gas systems for which permits were issued. Because of the hazardous nature of the substance transmitted, a more involved method of inspection and testing was required of this Division. This will be followed by periodic inspections of these systems with particular emphasis on corrosion control methods.

A branch office was established in Calgary in order to handle the increased pipe line activity in the southern part of the province. The branch presently employs two inspectors. The Pipe Line Division staff was increased by two this year, giving a total of twelve employees.

The following table shows the mileage and licence statistics related to the various classifications of pipe lines for the year ending March 31st, 1962.

SUMMARY OF PIPE LINE LICENCES

	Licensed at March 31, 1961		Licensed During The Year		Cancelled During The Year		Licensed at March 31, 1962	
	Number of Licences	Mileage of Pipe Line	Number of Licences	Mileage of Pipe Line	Number Cancelled	Mileage Cancelled	Number of Licences	Mileage of Pipe Line
Types of Pipe Lines								
Oil Lines	52	986.27	6	143.83	—	—	58	1130.10
Gas Lines	175	2693.24	76	913.86	3	.35	248	3606.75
Secondary Lines for Oil	1212	1475.80	95	176.27	26	123.20	1281	1528.87
Secondary Lines for Gas	260	1597.70	182	576.78	—	22.96	442	2151.52
Secondary Lines for Water and Other Substances	150	274.64	93	275.21	—	—	243	549.85
Distribution Lines	304	242.28	126	114.24	1	3.11	429	353.41
Private Lines	267	38.56	72	10.71	1	.24	338	49.03
TOTAL	2420	7308.49	650	2210.90	31	149.86	3039	9369.53

## TECHNICAL DIVISION

*Report of the Superintendent of the Technical Division*

**J. M. NOVAK**

The following report summarizes the operations of the Technical Division for the fiscal year ending March 31, 1962.  
**DRAUGHTING, LAND DESCRIPTIONS AND GENERAL**

The series of maps covering approximately forty-eight townships for each area and on a scale of three-quarters of an inch to the mile were drawn covering the following areas:

**CLEAR HILLS**—Townships 85 to 92, Ranges 7 to 13, West of the 6th Meridian.

**CLEAR HILLS EAST**—Townships 85 to 92, Ranges 1 to 6, West of the 6th Meridian.

The map of the Bonnie Glen field was redrawn to cover a larger area and now extends from Townships 45 to 52, Ranges 23 to 28, West of the 4th Meridian.

The map of the Hamilton Lake field was redrawn to cover a larger area and now extends from Townships 29 to 37, Ranges 8 to 13, West of the 4th Meridian.

All new maps drawn and previously drawn are subject to showing the locations of wells as well licences are granted. When the status of a well changes, it is adjusted on the maps. The limits of fields as established by the Oil and Gas Conservation Board are also included on the maps.

A map of the Province showing the location of oil and gas field maps published to March 31, 1962, is included in this report.

A total of 2,832 maps were distributed by the Department which is a decrease of 1,662 from the 4,494 maps distributed in the previous year. A list of maps is available indicating the price of each map.

The number of subscribers to the Petroleum and Natural Gas Reservation Sketch Service decreased from 64 to 58 and 67,000 copies of sketches were prepared and mailed showing an increase of approximately 7,000 over last year's total.

The Division had 41 subscribers to the Bituminous Sands Prospecting Permit Sketch Service and 830 sketches were prepared and mailed.

During the year, 1,678 applications for licences to drill wells were recommended for issue by the Oil and Gas Conservation Board, which is a decrease of 51 from the 1,627 applications dealt with in the previous year. The Division, upon receipt of each application, searches the ownership of Crown minerals in the spacing unit allotted to the well.

Land descriptions were prepared for all mineral dispositions, as well as descriptions for recommendations to council.

In addition to the 67,000 copies of petroleum and natural gas reservation sketches and 830 bituminous sands prospecting permit sketches which were reproduced on the multigraph duplicator machine, 709,676 copies of other items were reproduced, representing a decrease of 50,184 copies over the previous year.

The map of Alberta showing the areas covered by all petroleum and natural gas reservations to March 31, 1961, has been revised to indicate the area of reservations issued during the present year and is included in this report.

The photostat print requirements of the Department, as in past years, continued to be supplied by the Technical Division, Department of Lands and Forests. With the purchase of a "white printer" the ozalid print requirements of the Department were readily available.

The two "Verifax Copiers" reproduced 69,076 copies from original letters and other items as required during the year under review.

The plan attached to each of the 18 applications for quartz claims and 1 placer claim was examined and, when, satisfactory, plotted in the departmental township record.

## RECORDS

In addition to the work completed as shown in the tables hereunder, the Records Branch of the Division supplied 1,608 township plots to the public indicating available Crown minerals and also plots showing the status of Crown minerals compared to 1,282 plots distributed in the previous year.

\* Dispositions, Cancellations and Transfers Recorded in the Township Registers

	1960-61	1961-62
Coal Mining Leases .....	49	89
Road Allowance Coal Mining Leases .....	4	35
Petroleum and Natural Gas Leases .....	7,102	7,638
Petroleum and Natural Gas Reservations .....	579	678
Crown Reserve Drilling Reservations .....	219	221
Natural Gas Licences .....	53	68
Natural Gas Leases .....	101	222
Crown Reserve Natural Gas Licences .....	36	53
Quarrying Leases .....	31	30
Notifications .....	9	—
Transfers .....	854	1,187
Bituminous Sands Prospecting Permits .....	48	13
Bituminous Sands Leases .....	19	26
Quartz Claims .....	80	72
Placer Claims .....	11	2
Iron Prospecting Permits .....	2	2
Mineral Sales .....	19	2
Petroleum Leases .....	1	—
Sodium Sulphate Permits .....	1	1
Sodium Sulphate Leases .....	—	2
Tin Prospecting Permits .....	—	1
Oil Sands Leases .....	—	19
Oil Sands Prospecting Permits .....	—	3
<b>TOTALS .....</b>	<b>9,218</b>	<b>10,364</b>

\*Includes issued, reinstated, divided, renewed and certificates of work.





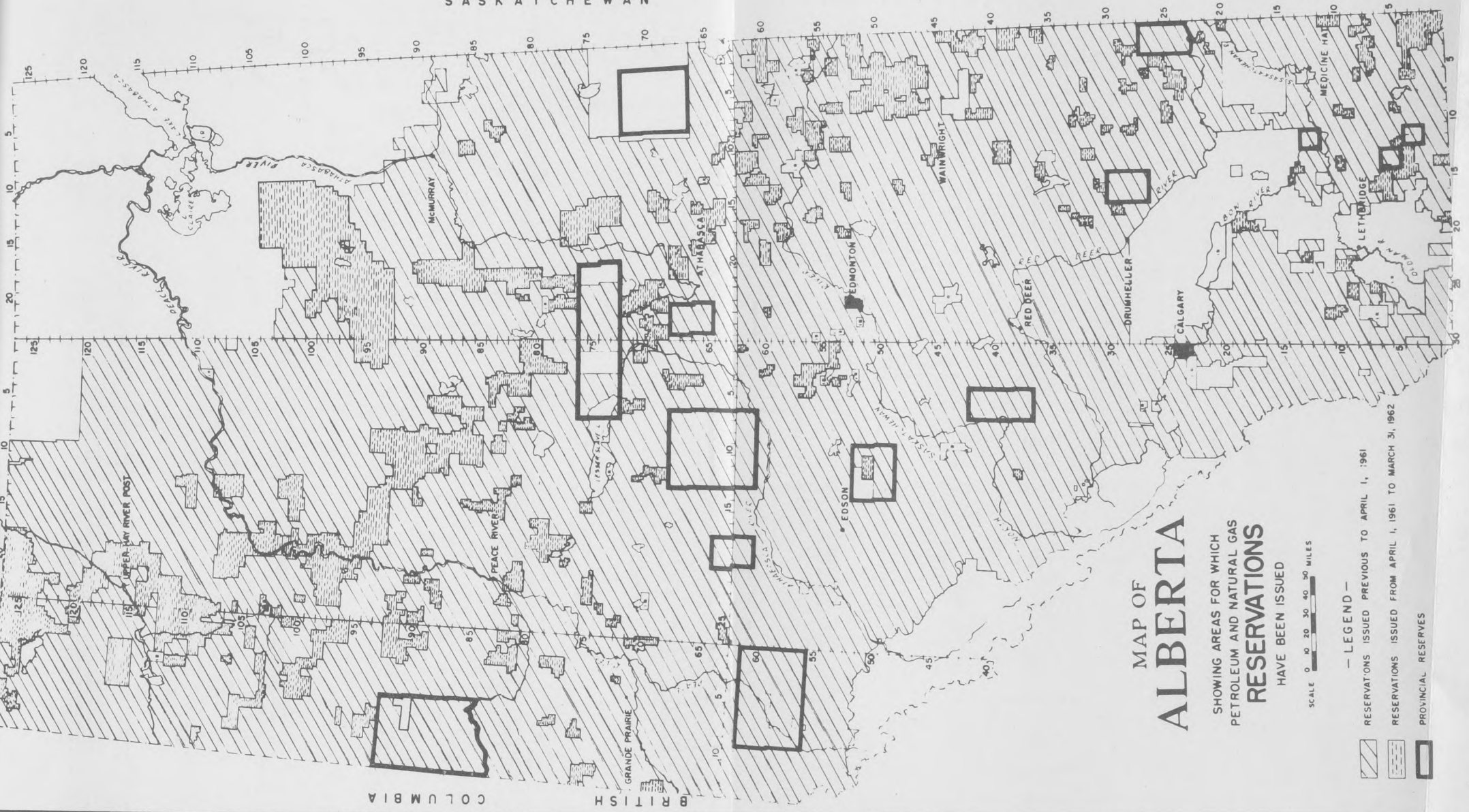


NORTHWEST TERRITORIES

10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125

10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125

10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125






BRITISH COLUMBIA

SASKATCHEWAN

# MAP OF ALBERTA

SHOWING AREAS FOR WHICH  
PETROLEUM AND NATURAL GAS  
RESERVATIONS  
HAVE BEEN ISSUED

SCALE 0 10 20 30 40 50 MILES

- LEGEND —
-  RESERVATIONS ISSUED PREVIOUS TO APRIL 1, 1961
  -  RESERVATIONS ISSUED FROM APRIL 1, 1961 TO MARCH 31, 1962
  -  PROVINCIAL RESERVES

UNITED STATES





## NUMBER OF AGREEMENTS TRANSFERRED

	1960-61	1961-62
Petroleum and Natural Gas Lease .....	2,230	5,139
Petroleum and Natural Gas Reservation .....	80	111
Coal Mining Lease .....	5	17
Road Allowance Coal Mining Lease .....	9	3
Quarrying Lease .....	4	7
Natural Gas Lease .....	30	82
Natural Gas Licence .....	1	4
Crown Reserve Natural Gas Licence .....	4	5
Bituminous Sands Lease .....	4	6
Bituminous Sands Prospecting Permit .....	2	—
Crown Reserve Drilling Reservation .....	25	31
Geophysical Licence .....	1	1
Geophysical Permit .....	2	1
Scheme .....	1	—
Tin Prospecting Permit .....	—	1
TOTALS .....	2,398	5,048

## NUMBER OF DOCUMENTS FILED

Type of Document	1960-61	1961-62
Mechanic's Lien .....	42	13
Discharge of Mechanic's Lien .....	18	30
Bank Securities .....	379	108
Discharge of Bank Securities .....	155	113
TOTALS .....	594	264

Pipe Line Permits and Licences continued to be recorded and included in the township records of the Division.

Two transfers, for the issue of certificate of title were issued during the fiscal year to return minerals underlying roadways to owners of adjacent minerals.

During the thirteen years of operation of the Department, one hundred and thirty-two notifications and twenty-five transfers have been issued.

## ACCOUNTS DIVISION

*Report of the Administrative Accountant and Personnel Officer*

**W. E. SHILLABEER**

A surplus of \$116,700,243.76 on Income Account was shown for the Fiscal Year ending March 31st, 1962.

Net Revenue on Income Account  
amounted to ..... \$118,558,173.23

Gross Receipts from all sources  
amounted to ..... \$125,003,814.55

Expenditure on Income Account for the year amounted to \$1,857,929.47. Particulars of expenditure may be found in Statement "C".

As at March 31st, 1962 there were 38,951 Accounts Receivable as compared with 37,307. as at March 31st, 1961. The number of active accounts as at March 31st, 1962 is made up as follows:

	No. of Accounts
Petroleum and Natural Gas Leases, Rental .....	31,306
Petroleum and Natural Gas Leases, Royalty .....	1,885
Petroleum and Natural Gas Reservations .....	684
Petroleum and Natural Gas Drilling Reservations .....	135
Natural Gas Licences .....	13
Natural Gas Leases .....	752
Crown Reserve Natural Gas Licences .....	26
Coal Leases, Rental .....	500
Coal Leases, Royalty .....	97
Quarrying Royalty .....	98
Bituminous Sands, Rental .....	81
Mineral Tax (Producing Area) .....	3,099
Oil Sands, Rental .....	22
Registration of Assignment Tax .....	211
Mining Leases (Miscellaneous) .....	42
	<hr/>
	38,951

There were 4,182 accounts cancelled or closed and 5,826 accounts opened.

### INDEX TO STATEMENTS

- A—Statement of Receipts from all sources.
- B—Statement of Receipts—Income Account.
- C—Statement of Expenditure by Appropriation and Character.
- D—Statement of Net Receipts by Division.
- E—Statement of Receipts—School Minerals.
- F—Statement of Receipts and Expenditure.
- G—Statement of Provincial Minerals Revenue by Fiscal Years received by the Province for the period April 1st, 1949 to March 31st, 1961.
- H—Statement of School Minerals Revenue by Fiscal Years received by the Province for the period April 1st, 1949 to March 31st, 1961.



Statement "A"

## STATEMENT OF RECEIPTS FROM ALL SOURCES

From April 1st, 1961 to March 31st, 1962.

	Gross Receipts	Refunds	Net Receipts
Income Account (See Statement "B") .....	\$118,646,900.96	88,727.73	\$118,558,173.23
Transferred Collections .....	180.00	—	180.00
Suspense (unapplied receipts carried forward, subject to refund) .....	6,356,733.59	6,173,477.27	183,256.32
	<u>\$125,003,814.55</u>	<u>\$ 6,262,205.00</u>	<u>\$118,741,609.55</u>

Statement "B"

## STATEMENT OF RECEIPTS—INCOME ACCOUNT

From April 1st, 1961 to March 31st, 1962.

## INCOME ACCOUNT:

## PROVINCIAL MINERALS:

	Gross Receipts	Refunds	Net Receipts
Coal Fees, Rentals, etc. ....	66,275.42	1,349.00	64,926.42
Coal Royalty .....	60,519.47	—	60,519.47
Coal Mines Act Sundry Revenue .....	2,457.50	—	2,457.50
Petroleum and Natural Gas Fees, Rentals, etc. ....	30,813,270.21	42,287.40	30,770,982.81
Petroleum and Natural Gas Royalty .....	36,675,500.88	835.92	36,674,664.96
Crown Reserve Sales .....	43,203,912.69	—	43,203,912.69
Mining Miscellaneous .....	1,181,865.68	37,536.30	1,144,329.38

## SCHOOL MINERALS:

Coal Fees, Rentals, etc. ....	3,072.53	—	3,072.53
Coal Royalty .....	19,965.67	—	19,965.67
Petroleum and Natural Gas Fees, Rentals, etc. ....	1,637,775.08	5,090.32	1,632,684.76
Petroleum and Natural Gas Royalty .....	2,523,559.51	61.07	2,523,498.44
Crown Reserve Sales .....	1,086,729.17	—	1,086,729.17
Mining Miscellaneous .....	11,147.50	—	11,147.50

## MINERAL TAXATION ACT:

Mineral Tax .....	1,271,376.67	1,058.87	1,270,317.80
-------------------	--------------	----------	--------------

## PIPE LINE ACT

SUNDRY REVENUE .....	10,234.00	15.00	10,219.00
----------------------	-----------	-------	-----------

## ADMINISTRATION

SUNDRY REVENUE .....	79,238.98	493.85	78,745.13
----------------------	-----------	--------	-----------

## TOTAL INCOME ACCOUNT

(Carried to Statement "A") .....	\$118,646,900.96	\$ 88,727.73	\$118,558,173.23
----------------------------------	------------------	--------------	------------------



EXPENDITURE CLASSIFIED BY APPROPRIATION AND CHARACTER  
FOR THE YEAR ENDED MARCH 31, 1962  
INCOME ACCOUNT

Statement "C"

SERVICE	2002 General Administration	2004 Pipe Lines Division	2005 Geological Division	2006 Mines Division	2007 Mineral Rights Division	2008 Mineral Taxation Division	2009 Oil and Gas Conservation Board	2010 Technical Division	2011 Abandonment of Mining Properties	2012 Redemption of Mineral Titles	2013 Gas Resources Preservation Act	2014 Right of Entry Arbitration Board	2015 Supervisory and Safety Training Program	2016 Geophysical Division	TOTAL
Advertising					12,970.04										12,970.04
Automobiles		2,570.06										958.08			3,528.14
Automobile Expenses	290.05	6,296.82		1,196.50								3,880.51			11,663.88
Contracts and Agreements					414.00				107,736.96						108,150.96
Fees and Commissions	121.00	2,261.00		4.00	150.00						421.51				2,957.51
Freight and Express	561.19														561.19
Furnishings and Equipment	184.60	1,455.34			891.65	170.56		2,116.65				246.06			5,064.86
Grants, Prizes	50.00					50.00							3,600.00		3,700.00
Insurance		28.40													28.40
Materials and Supplies	14,398.49	2,806.98		612.87	4,647.67	1,748.79		14,550.10				1,455.38		1,067.20	41,286.58
Miscellaneous Expenses	300.00						625,583.73								625,883.73
Postage	1,441.35	272.25		498.50	7,826.32	1,800.00		273.25				419.14		109.60	12,640.41
Refunds										20,172.94					20,172.94
Rentals		3.00		3.00								37.50			43.50
Repairs and Replacements	2,181.07	117.05		174.04	1,098.16	415.40		691.24				164.50		18.25	4,859.71
Salaries	135,787.35	57,216.81	3,606.68	59,054.15	223,358.78	76,304.49		193,579.08				63,702.42		29,970.00	842,579.76
Taxes							110,323.06								110,323.06
Telephone and Telegrams	1,711.86	3,193.75		232.80	3,567.63	61.24		1,202.70				407.55		979.80	11,357.33
Travelling Expenses	1,863.02	4,954.90		5,281.02	4,061.13	2,215.06		557.25				3,575.93		17,649.16	40,157.47
<b>TOTAL: Income Account</b>	<b>158,889.98</b>	<b>81,175.46</b>	<b>3,606.68</b>	<b>67,056.88</b>	<b>258,985.38</b>	<b>82,765.54</b>	<b>735,906.79</b>	<b>212,970.27</b>	<b>107,736.96</b>	<b>20,172.94</b>	<b>421.51</b>	<b>74,847.07</b>	<b>3,600.00</b>	<b>49,794.01</b>	<b>1,857,929.47</b>



Statement "D"

## STATEMENT OF NET RECEIPTS BY DIVISIONS

For Fiscal Year Ending March 31st, 1962.

## INCOME ACCOUNT:

Mineral Rights Division .....	\$117,196,433.80
Mineral Tax Division .....	1,270,317.80
Mines Division .....	2,457.50
Pipe Line Division .....	10,219.00
Miscellaneous (Administration Sundry Revenue, Sale of Salvage, etc.) .....	78,745.13

TRANSFERRED TO OTHER DEPARTMENTS ..... 180.00

SUSPENSE (Unapplied receipts carried forward, subject to refund) ..... 183,256.32

\$118,741,609.55

Statement "E"

## STATEMENT OF RECEIPTS—SCHOOL MINERALS

From April 1st, 1961 to March 31st, 1962.

## INCOME ACCOUNT:

	Receipts	Refunds	Net Revenue
Coal Fees, Rentals, etc. ....	3,072.53	.....	3,072.53
Coal Royalty .....	19,965.67	.....	19,965.67
Petroleum and Natural Gas Fees, Rentals, etc. ....	1,637,775.08	5,090.32	1,632,684.76
Petroleum and Natural Gas Royalty ....	2,523,559.51	61.07	2,523,498.44
Crown Reserve Sales .....	1,086,729.17	.....	1,086,729.17
Mining Miscellaneous .....	11,147.50	.....	11,147.50
	<u>\$5,282,249.46</u>	<u>\$ 5,151.39</u>	<u>\$5,277,098.07</u>

Statement "F"

## STATEMENT OF RECEIPTS AND EXPENDITURE

For Fiscal Year Ending March 31st, 1962.

Gross Receipts	Refunds	Net Receipts	Net Revenue on Income Account	Total Expenditure from Appropriations	Surplus on Income Account
\$125,003,814.55	\$6,262,205.00	\$118,741,609.55	\$118,558,173.23	\$1,857,929.47	\$116,700,243.76





STATEMENT OF PROVINCIAL MINERALS REVENUE BY FISCAL YEARS  
RECEIVED BY THE PROVINCE FOR THE PERIOD APRIL 1st, 1949 TO  
MARCH 31st, 1962

Statement "G"

	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60	1960-61	1961-62	Total
<b>COAL</b>														
Fees and Rentals .....	\$ 185,412.49	\$ 174,035.27	\$ 211,582.89	170,286.62	142,278.66	49,933.84	50,132.58	66,415.78	75,001.67	58,407.60	57,258.47	46,102.30	64,926.42	1,351,774.59
Royalty .....	600,493.96	577,667.84	394,441.24	354,123.99	268,694.28	216,147.06	201,607.49	151,790.88	102,601.90	95,187.48	79,088.05	55,686.13	60,519.47	3,158,049.77
Sundry Revenue .....	6,183.50	5,335.30	5,209.45	4,526.05	3,902.20	3,067.90	2,816.20	2,792.85	3,040.30	2,504.50	2,451.75	2,534.85	2,457.50	46,822.35
<b>PETROLEUM AND NATURAL GAS</b>														
Fees and Rentals .....	5,741,111.95	9,034,896.06	14,134,672.25	18,236,470.24	23,096,649.12	19,057,601.56	19,869,509.92	24,307,569.78	29,309,061.99	28,112,930.30	30,919,192.69	29,268,697.18	30,770,982.81	281,859,345.85
Royalty .....	3,368,918.86	4,760,569.46	10,062,772.17	12,353,945.64	17,048,688.02	18,519,831.09	26,610,868.37	34,489,488.26	30,352,487.86	23,502,148.38	25,357,608.49	25,698,006.70	36,674,664.96	268,799,998.26
Crown Reserve Sales .....	23,180,998.77	28,008,052.42	12,517,931.33	19,659,005.63	49,590,009.60	38,954,155.80	71,931,568.77	67,531,659.11	56,508,696.49	52,617,146.15	80,141,628.00	42,245,215.78	43,203,912.69	586,089,980.54
<b>SALT</b>														
Fees and Rentals .....	564.00	3,129.00	1,005.60	1,005.60	1,005.60	1,005.60	1,005.60	1,010.60	1,010.60	1,005.60	1,005.60	1,005.60	1,005.60	14,764.60
Royalty .....	2,024.92	9,230.96	4,895.32	6,806.71	7,063.37	7,978.06	9,868.92	10,050.54	9,859.84	10,130.02	10,677.35	11,725.31	12,367.82	112,679.14
<b>QUARRYING</b>														
Fees and Rentals .....	1,019.31	1,176.72	291.28	227.23	325.01	185.52	173.30	213.25	117.75	110.00	165.00	125.00	135.00	4,264.37
Royalty .....	29,939.08	36,486.29	27,908.36	29,309.75	38,798.28	41,181.51	39,552.17	53,590.28	45,540.05	50,194.15	58,825.21	56,116.01	55,641.78	563,082.92
<b>QUARTZ</b>														
Fees and Royalty .....	377.56	630.00	853.47	3,826.17	15,750.92	3,283.19	1,944.82	1,158.35	1,040.00	4,079.76	680.00	810.00	880.00	35,336.24
<b>PLACER</b>														
Fees and Royalty .....	—	325.08	42.79	30.00	30.00	1,510.00	1,117.50	1,346.15	500.00	690.00	490.00	250.00	10.00	6,341.52
<b>BITUMINOUS SANDS</b>														
Fees, Rentals and Royalty ..	13,350.28	7,173.20	7,173.20	52,480.95	62,994.50	42,543.76	197,997.20	89,878.58	479,047.55	363,416.28	544,075.79	663,393.28	758,782.11	3,282,306.68
<b>OIL SANDS</b>														
Fees and Rentals .....	—	—	—	—	—	—	—	—	—	—	—	—	177,296.59	177,296.59
<b>MINING MISCELLANEOUS</b>														
Fees, Rentals and Royalty ..	218,265.08	126,786.20	299,699.45	223,672.12	191,953.44	105,279.64	185,582.37	107,109.32	204,413.10	134,827.34	135,578.23	128,396.68	138,210.48	2,199,773.45
<b>MINERAL TAXATION ACT</b>														
Non-Producing Area Tax ..	297,883.10	307,062.62	323,185.71	310,285.08	283,853.18	277,842.74	264,496.50	272,883.90	282,057.60	306,179.40	337,452.83	303,051.45	277,992.80	3,844,226.91
Producing Area Tax .....	452,838.16	526,029.61	444,293.91	572,671.45	717,352.55	1,031,922.72	1,031,802.40	1,070,380.73	1,232,795.31	1,115,478.85	909,799.94	957,673.20	991,779.50	11,054,818.33
Certificate Fees .....	286.50	511.00	2,320.10	3,204.00	1,055.50	1,467.00	914.50	1,101.50	1,056.50	472.00	545.50	339.00	545.50	13,818.60
<b>PIPE LINE ACT</b>														
SUNDRY REVENUE .....	—	—	—	—	—	—	—	—	—	—	6,297.50	10,110.50	10,219.00	26,627.00
<b>ADMINISTRATION</b>														
SUNDRY REVENUE .....	21,915.60	34,734.13	61,946.42	83,735.45	90,413.82	69,268.78	51,489.41	75,902.99	67,642.46	66,789.46	51,367.90	55,667.62	78,745.13	809,619.17
<b>TOTAL</b> .....	\$ 34,121,583.12	\$ 43,613,831.16	\$ 38,500,224.94	\$ 52,065,612.68	\$ 91,560,818.05	\$ 78,384,205.77	\$ 120,452,448.02	\$ 128,234,364.85	\$ 118,675,970.97	\$ 106,441,697.27	\$ 138,614,188.30	\$ 99,504,906.59	\$ 113,281,075.16	\$ 1,163,450,926.88



## ACCOUNTS DIVISION

57

STATEMENT OF SCHOOL MINERALS REVENUE BY FISCAL YEARS  
RECEIVED BY THE PROVINCE FOR THE PERIOD APRIL 1st, 1949 TO  
MARCH 31st, 1962

Statement "H"

	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60	1960-61	1961-62	Total
<b>COAL</b>														
Fees and Rentals _____	\$ 6,313.28	\$ 6,965.91	\$ 3,761.05	\$ 5,888.62	\$ 6,474.45	\$ 2,099.50	\$ 1,797.51	\$ 1,871.19	\$ 1,808.42	\$ 2,243.01	\$ 2,447.26	\$ 2,737.96	\$ 3,072.53	\$ 47,480.69
Royalty _____	51,074.51	45,643.83	42,969.61	25,368.52	17,874.97	14,759.80	15,232.15	13,343.74	6,621.37	4,488.33	11,215.39	17,134.99	19,965.67	285,692.88
<b>PETROLEUM AND NATURAL GAS</b>														
Fees and Rentals _____	514,065.59	744,745.23	1,245,877.55	1,445,874.57	1,501,344.38	1,597,125.63	1,500,750.38	1,512,245.53	1,735,009.23	1,721,016.74	1,762,471.04	1,630,136.88	1,632,684.76	18,543,347.51
Royalty _____	242,199.47	429,423.19	975,317.20	1,157,006.02	1,516,438.34	1,694,748.02	2,184,005.64	2,803,026.05	2,459,646.73	1,944,357.39	1,969,535.54	2,043,028.93	2,523,498.44	21,942,230.96
Crown Reserve Sales _____	50,449.43	1,072,579.97	693,357.64	3,868,438.03	3,646,107.46	1,059,164.00	4,143,163.73	1,519,201.38	2,133,139.64	992,806.31	1,181,349.17	1,882,297.25	1,086,729.17	23,328,783.18
<b>BITUMINOUS SANDS</b>														
Fees, Rentals and Royalty —	1,845.00	565.00	565.00	892.05	932.10	623.20	1,184.20	1,558.12	8,618.62	3,277.25	4,827.26	8,651.51	8,649.28	42,188.59
<b>OIL SANDS</b>														
Fees and Rentals _____	—	—	—	—	—	—	—	—	—	—	—	—	1,544.25	1,544.25
<b>MINING MISCELLANEOUS</b>														
Fees, Rentals and Royalty —	—	3,896.01	3,768.15	1,008.00	23.00	350.61	734.75	853.00	717.00	763.72	584.78	1,139.89	953.97	14,792.88
	\$ 865,947.28	\$2,303,819.14	\$2,965,616.20	\$6,504,475.81	\$6,689,194.70	\$4,368,870.76	\$7,846,868.36	\$5,852,099.01	\$6,345,561.01	\$4,668,952.75	\$4,932,430.44	\$5,585,127.41	\$5,277,098.07	\$64,206,060.94



**PERSONNEL**

The number of employees in the Department showed an increase of four from 202 on April 1st, 1961 to 206 on March 31st, 1962.

During the same period thirty seven left the Department, of these 7 left the city, 4 resigned to accept employment outside the Government service, 2 were dismissed, 2 retired, and the remainder left for various other reasons.









ANNUAL REPORT/  
SERIAL M1 39839676 LAW



\* 000035239441 \*

[illegible]

GOV DOC CA2 AL MM A56 13th 1962  
Alberta. Dept. of Mines and  
Minerals.

Annual report/  
SERIAL 39839676 LAW

GOV DOC CA2 AL MM A56  
13th 1962  
Alberta. Dept. of Mines and  
Minerals.

39839676 LAW

3  
11  
6  
396

**B28222**